

Commuting in America and Washington

Connecting Washington
Monday Aug 22, 2005

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There's more to transportation than just commuting!

- ❑ COMMUTING (20% of local psgr travel)
 - ❑ OTHER LOCAL TRAVEL
 - ❑ TOURISM
 - ❑ SERVICES
(Power/phone/cable/sewer/water)
 - ❑ PUBLIC VEHICLES (gov. services)
 - ❑ URBAN GOODS MOVEMENT
 - ❑ THRU PASSENGER TRAVEL
 - ❑ THRU FREIGHT TRAVEL
-

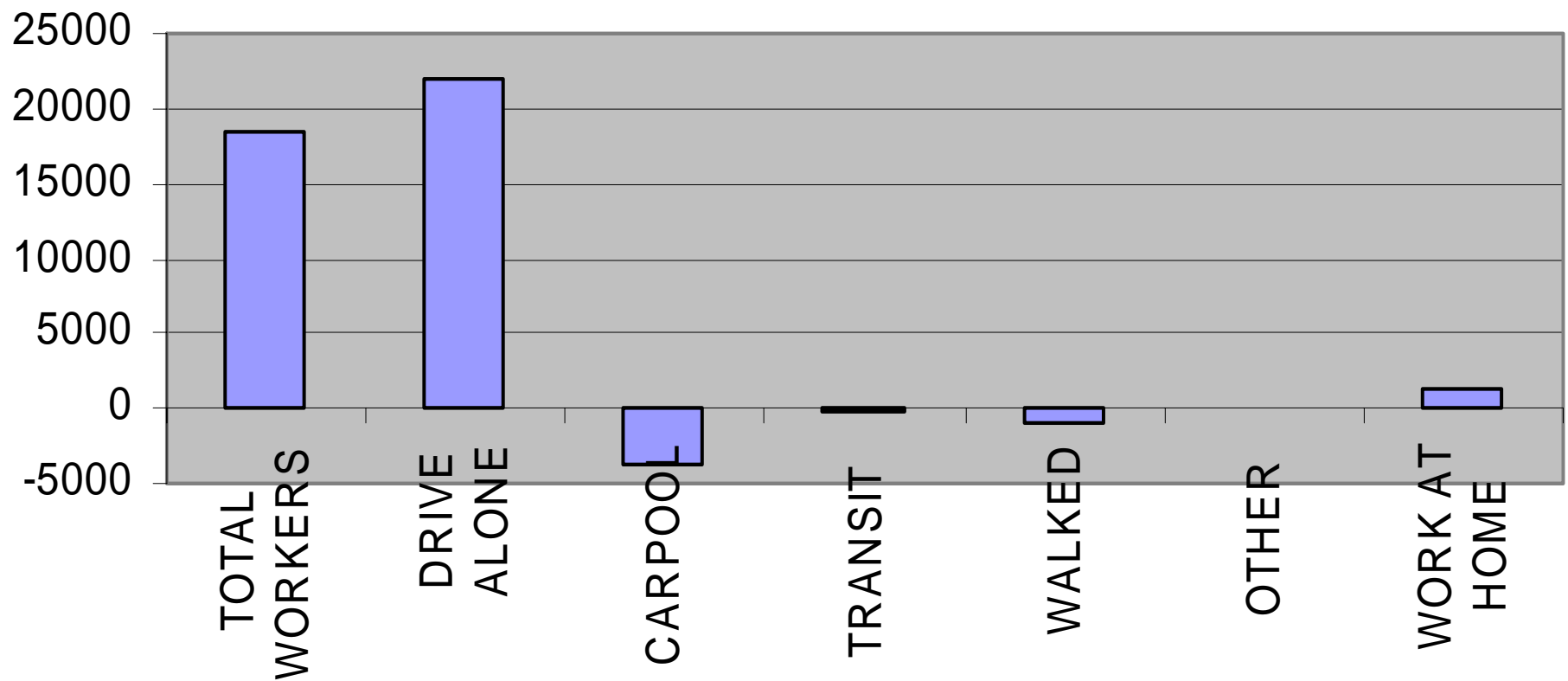
Commuting is a declining share

- ❑ Of all travel
 - ❑ Of all transit usage in most places

 - ❑ Other Transit Markets
 - Tourism (visitors/business)
 - Social-Recreational
 - Work-related business
-

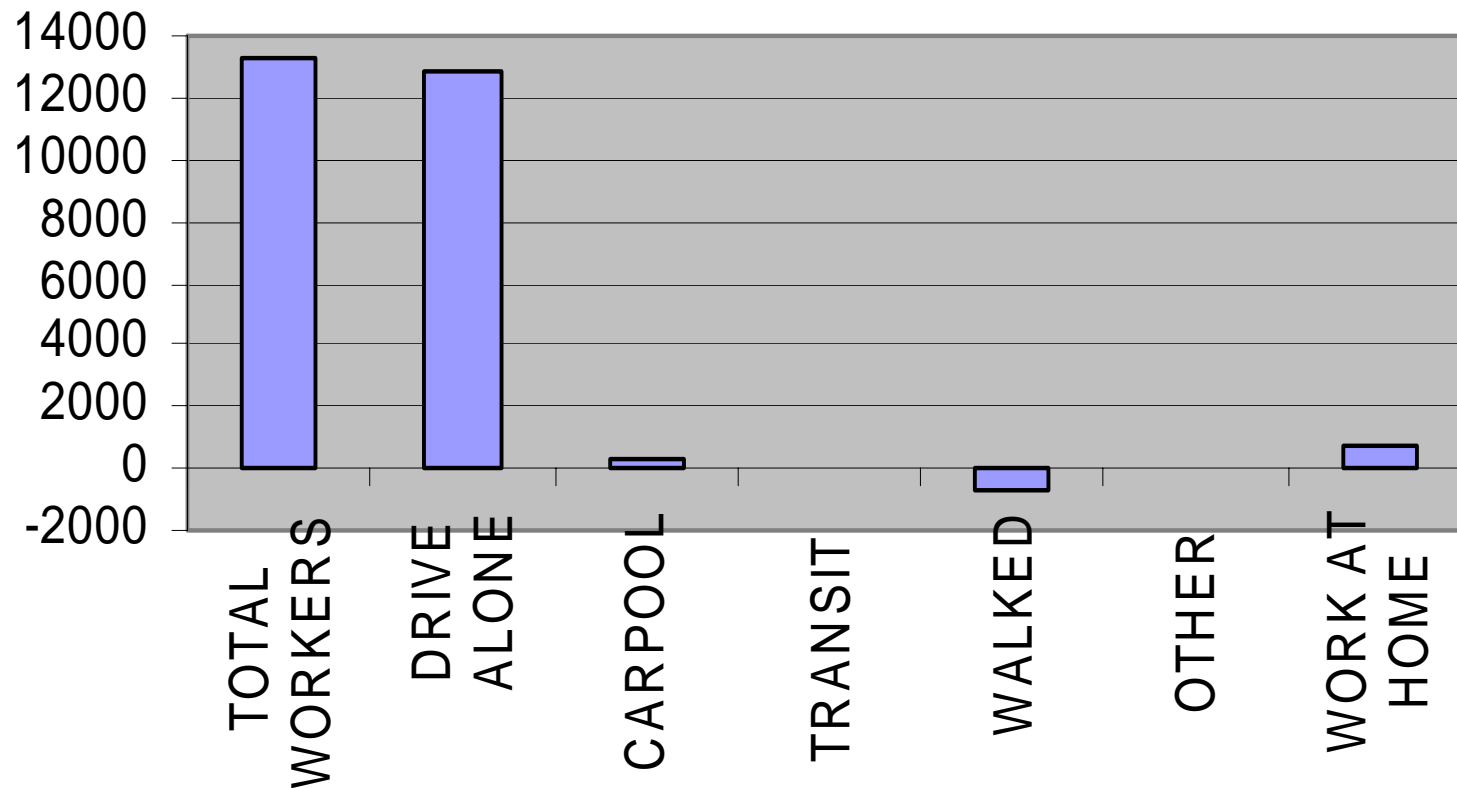
1980-1990 NATIONAL

1980-1990 NET CHANGE NATIONAL



1990-2000 THE SAME?

90-00 NET CHANGE NATIONAL



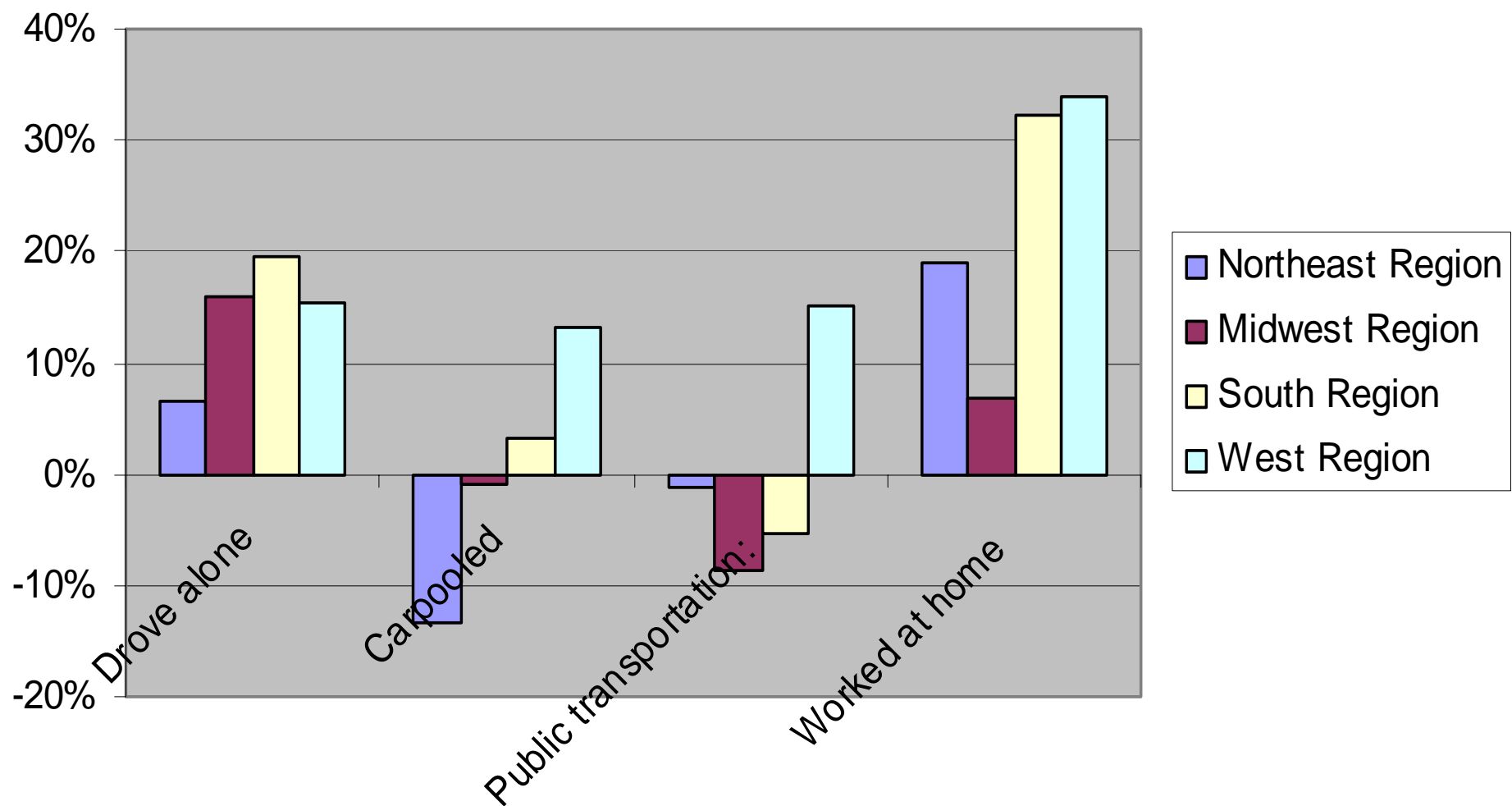
Key Differences

- ❑ SOV > Commuters in '90 not '00
- ❑ Carpooling reversed losses
- ❑ Transit shifts trivial nationally

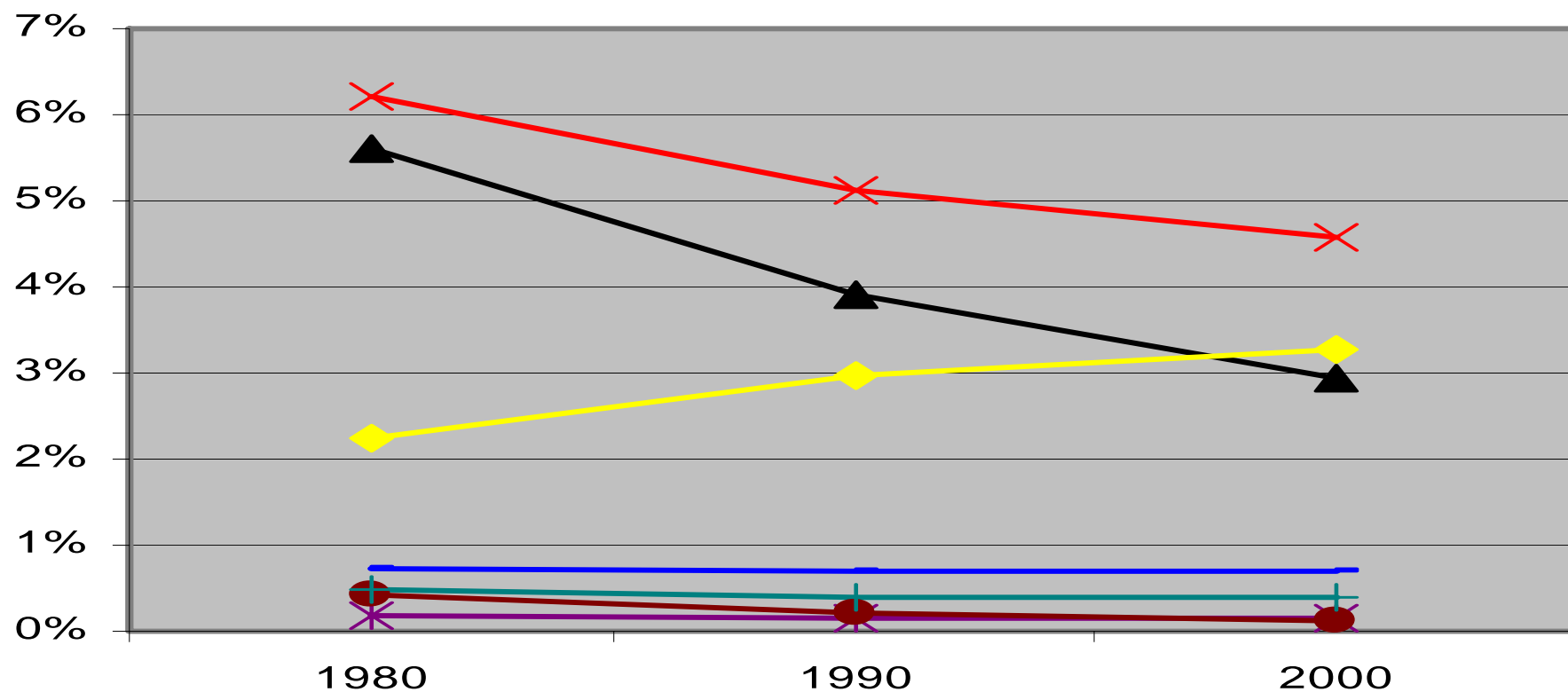
A Major Pattern Change

- ❑ '90 national = metro pattern
 - ❑ '00 strong variations regionally
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Sharp Regional Differences

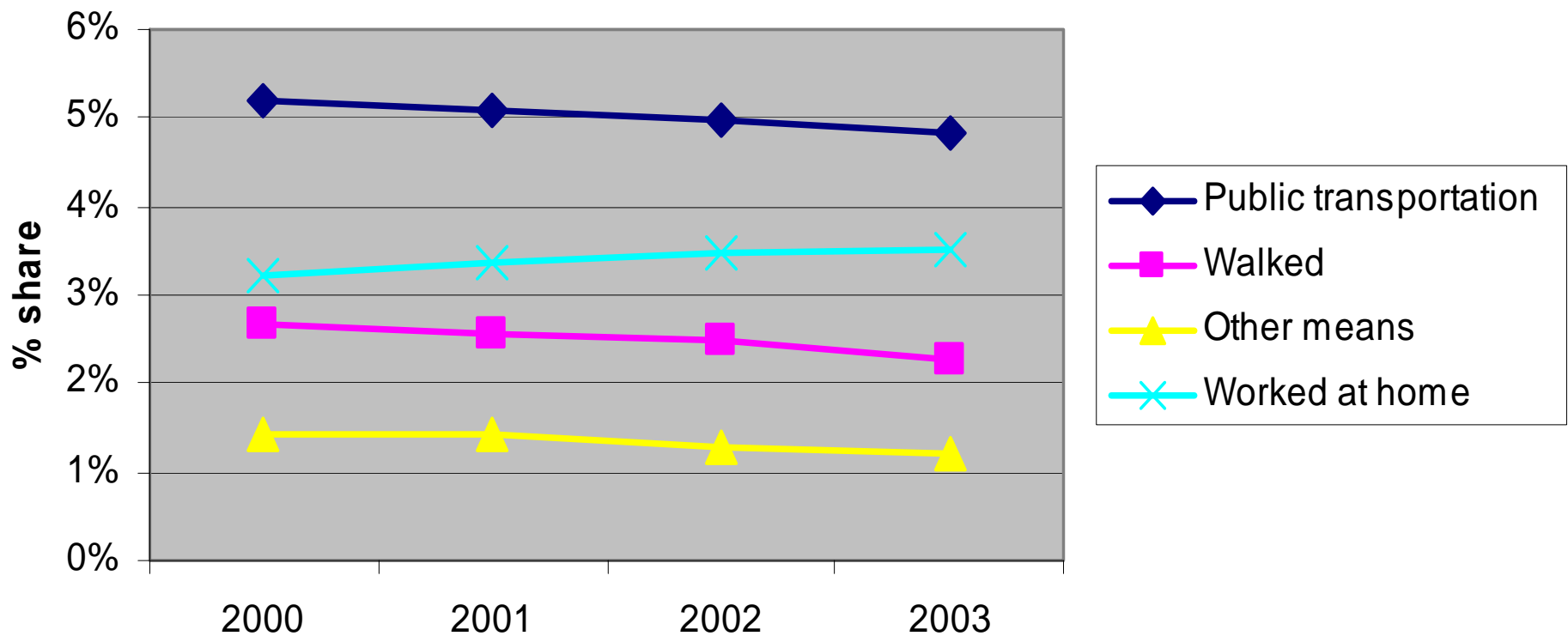


Non-Auto Trends



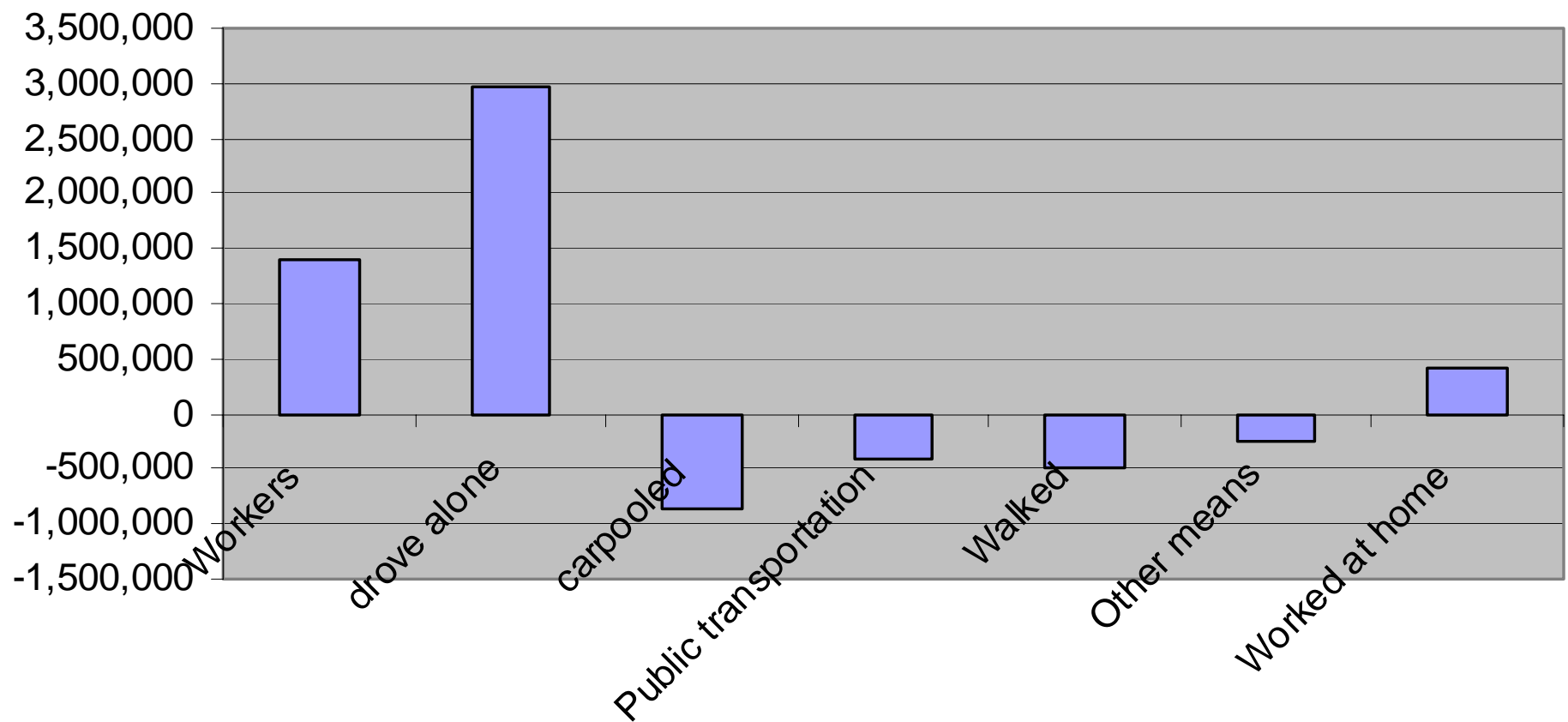
The ACS trend since 2000

Modal trends 2000-2003



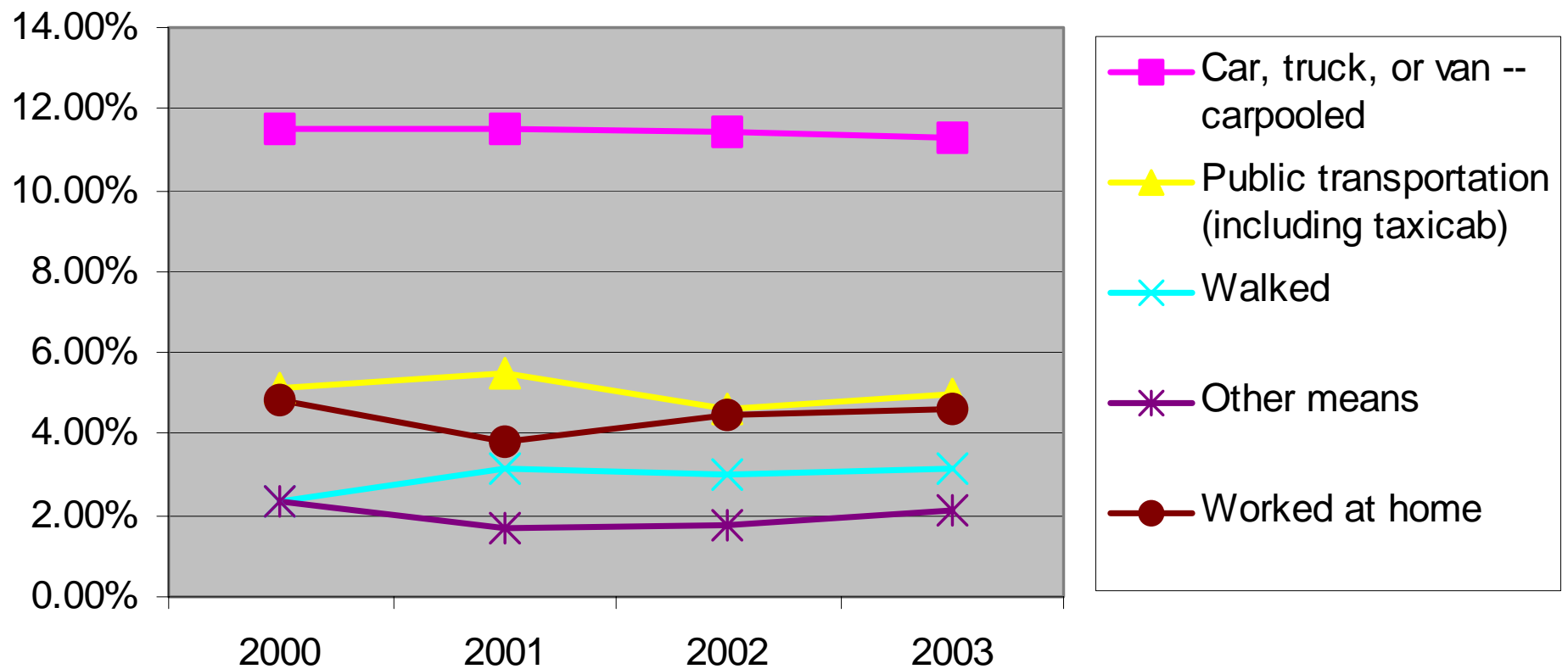
The ACS pattern since 2000

ACS 2000-2003 NET CHANGE

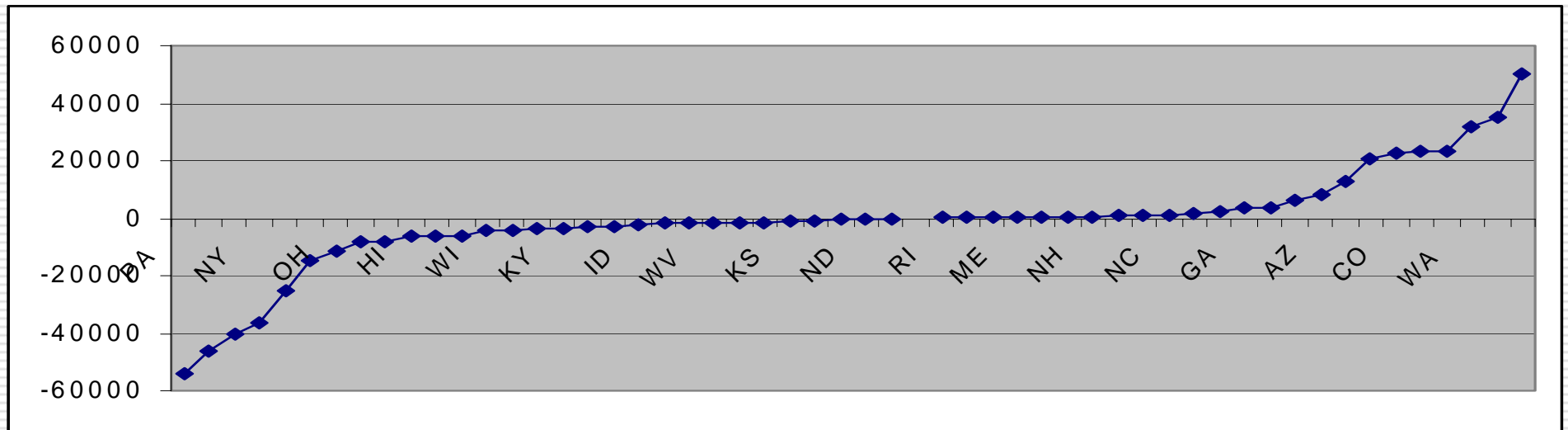


Washington ACS patterns since 2000

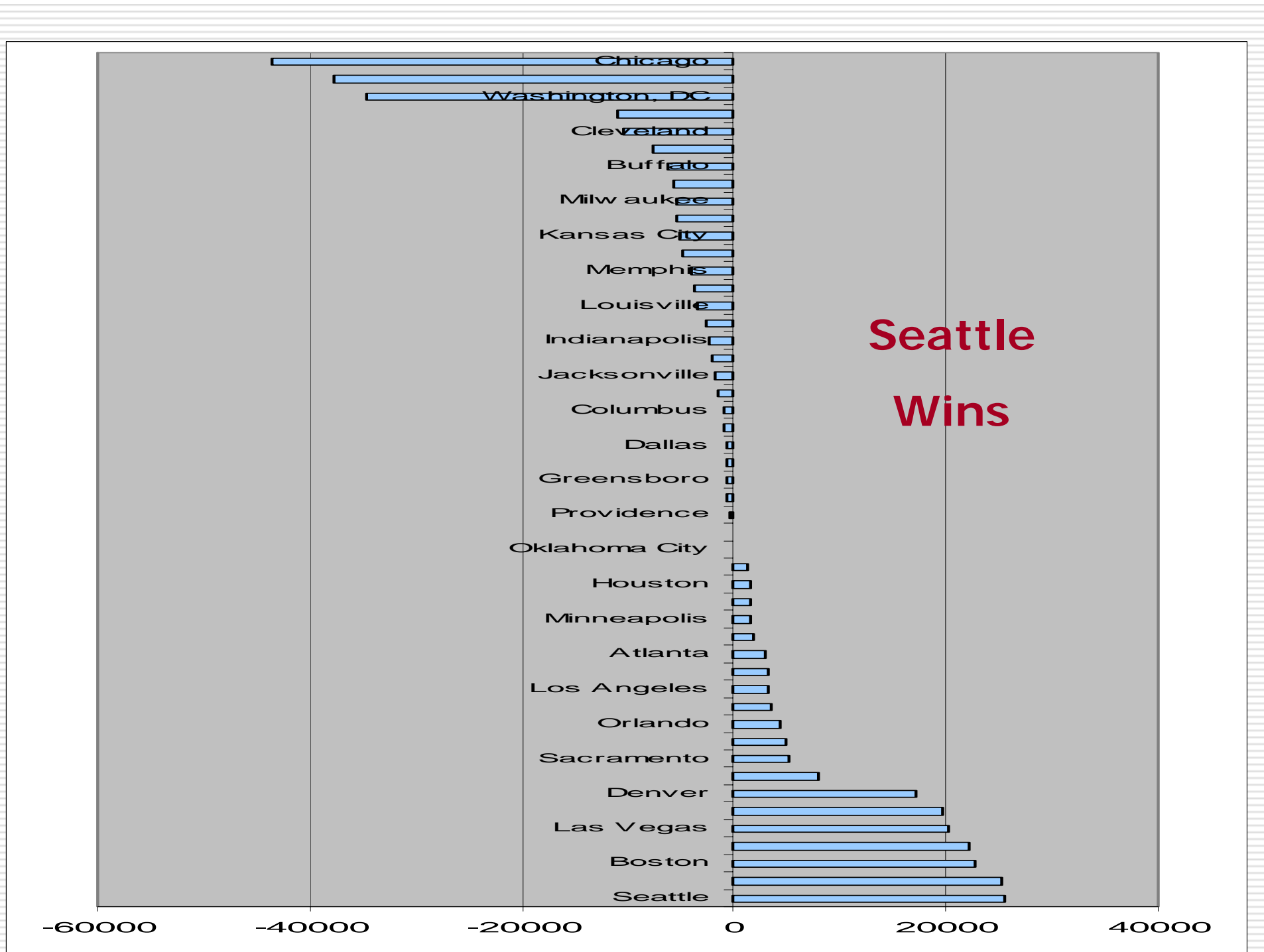
WASHINGTON ACS PATTERNS SINCE 2000



Transit winners and losers

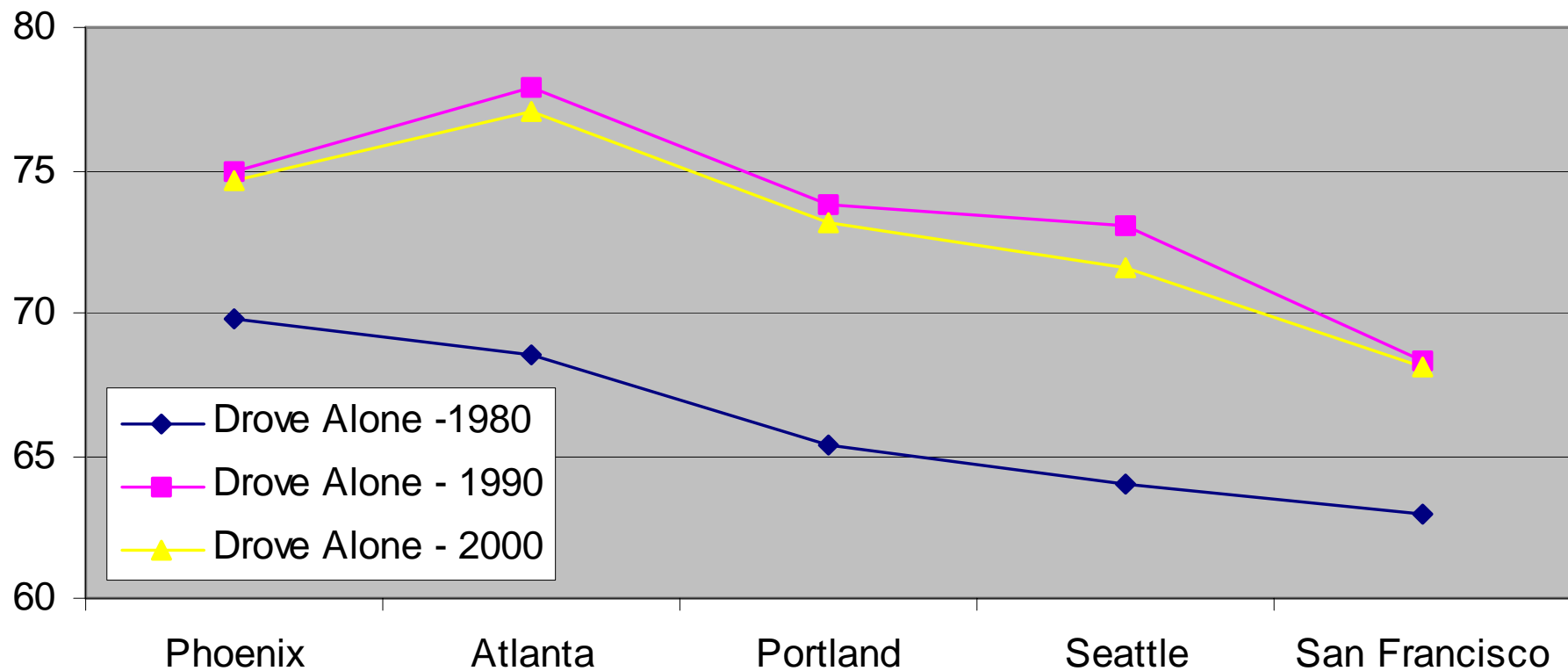


- About half of states gained – half lost
 - Most gained/lost little +/- 1000
 - 8 gained more than 10,000
 - 11 gained share – 40 lost
 - Washington – 3rd largest increase!
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Five Metro Areas had actual SOV share declines – never before

METROS WITH ACTUAL DECLINE IN SOV SHARE



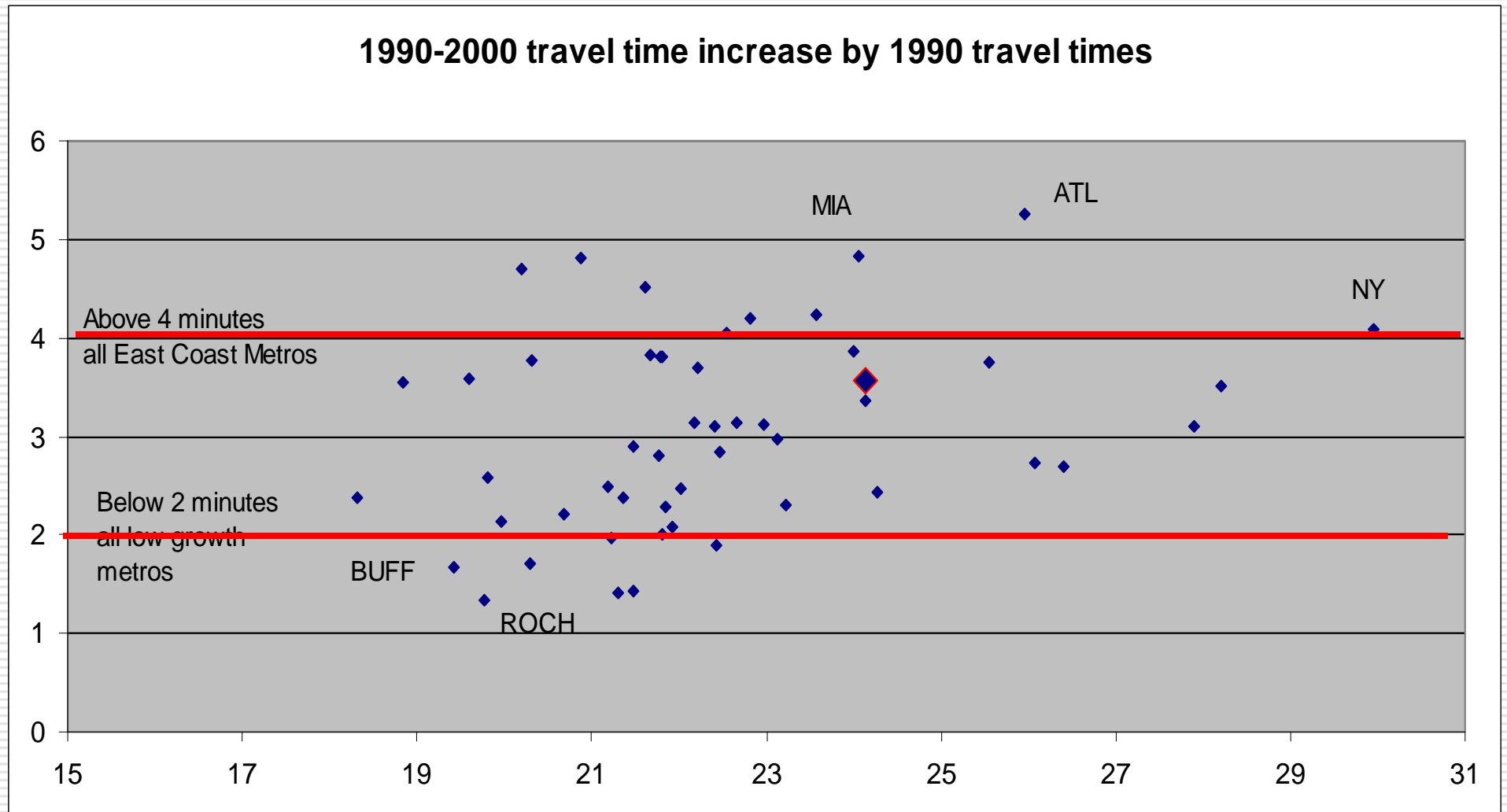
Very regional patterns

- ❑ 2 states saw very slight declines in SOV share: Oregon 2/10ths of percent; Washington 6/10ths; California and Arizona close to holding share constant.
- ❑ 6 states with minor gain in carpool share; all west of the Mississippi: MT, ID, AK, SD, AZ and WA; WA just over a half a percentage point; big losses in mid-Atlantic states
- ❑ Big gains in volume in high growth states: TX almost 200,000; AZ over 100,000; and CA, CO, GA, FL and WA gained over 50,000; NV just under 50,000
- ❑ 10 states exceed the national average transit share
- ❑ 13 states gained share; one, Nevada, more than one percentage point, all others less than a percent point
- ❑ gains tended to be in the west and losses in the east
- ❑ Many of the changes happening in geographic clusters.

Another guidepost – 20% carpool plus transit

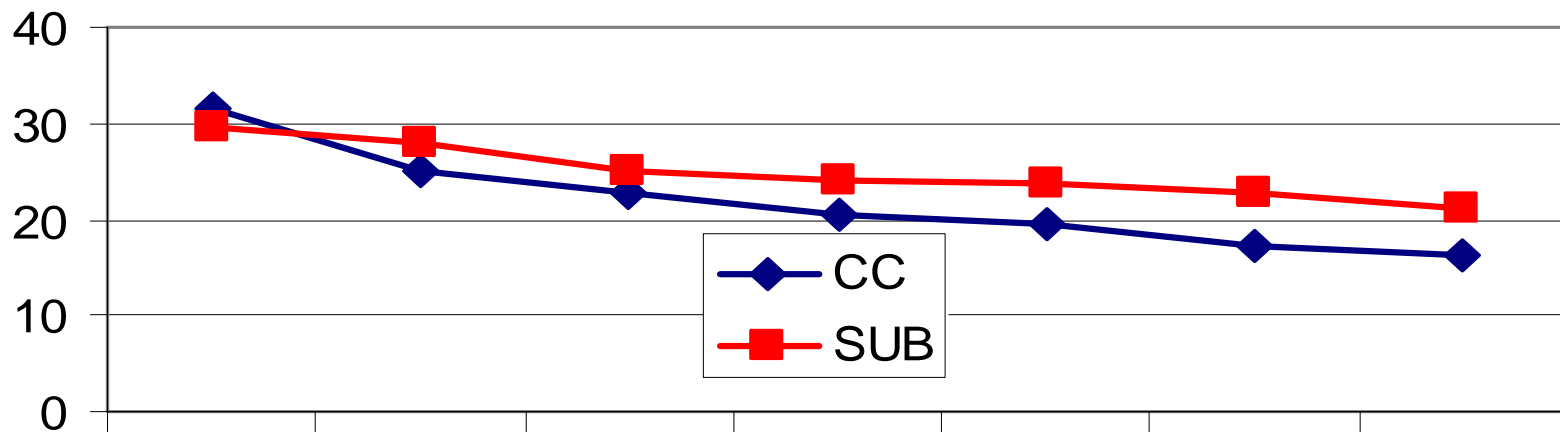
- ❑ New York 33.4
 - ❑ Chicago 22.2
 - ❑ San Francisco 22.2
 - ❑ Washington, DC 21.9
 - ❑ New Orleans 19.9
 - ❑ Los Angeles 19.8
 - ❑ Seattle 19.5
 - ❑ Las Vegas 19.0
-

Travel time patterns – 1



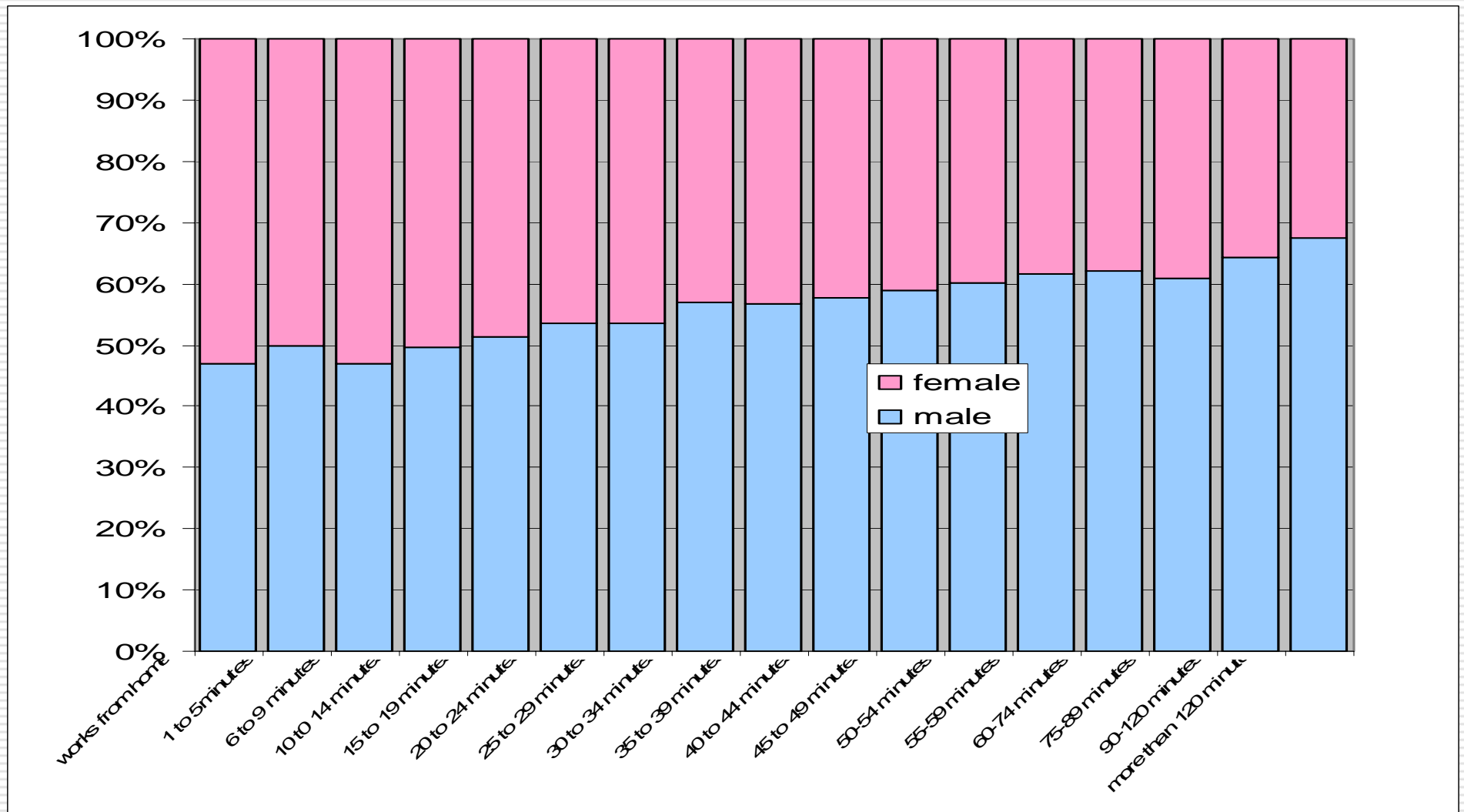
Travel time by metro size

TT BY METRO SIZE



	5,000,000 0 or	2,500,000 0 to	1,000,000 0 to	500,000 to	250,000 to	100,000 to	50,000 to
CC	31.5	24.9	22.7	20.6	19.4	17.3	16.2
SUB	29.7	28	25	24.2	23.6	22.8	21.2

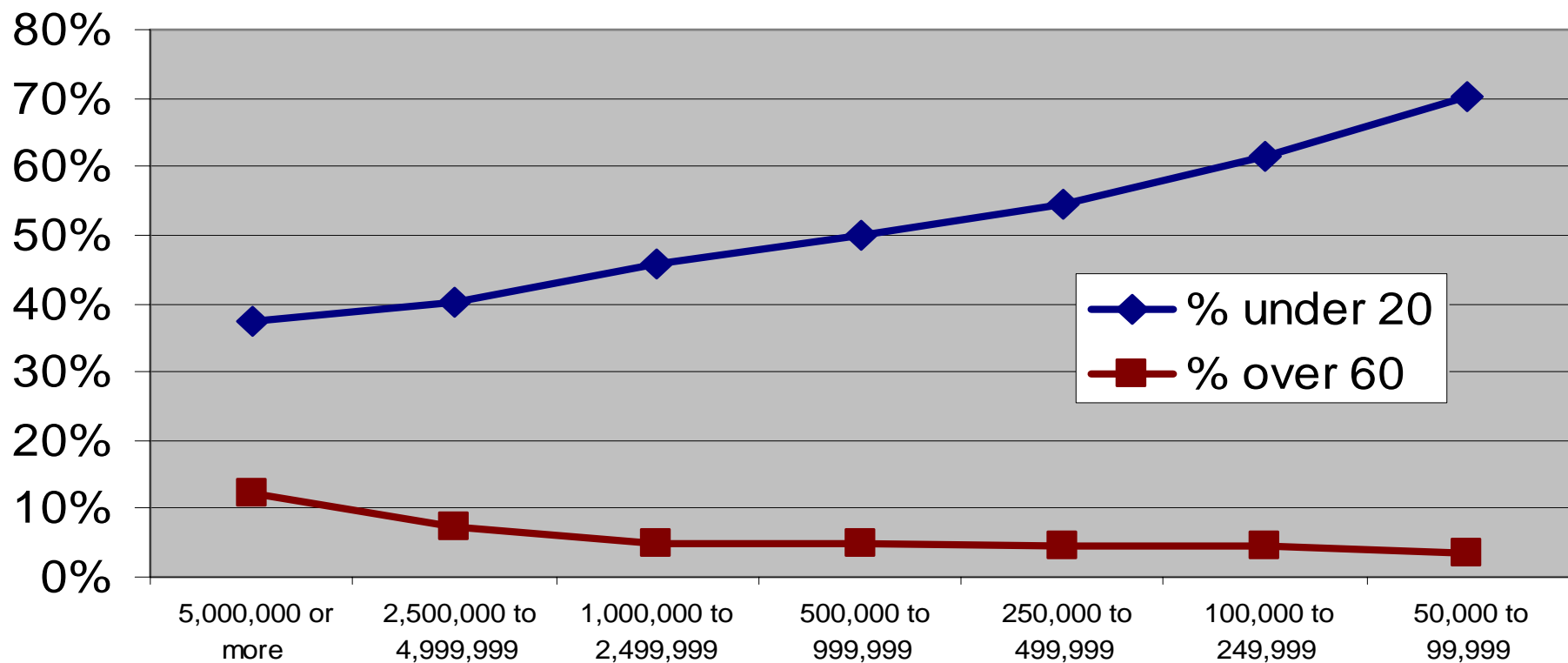
Travel time patterns - 2



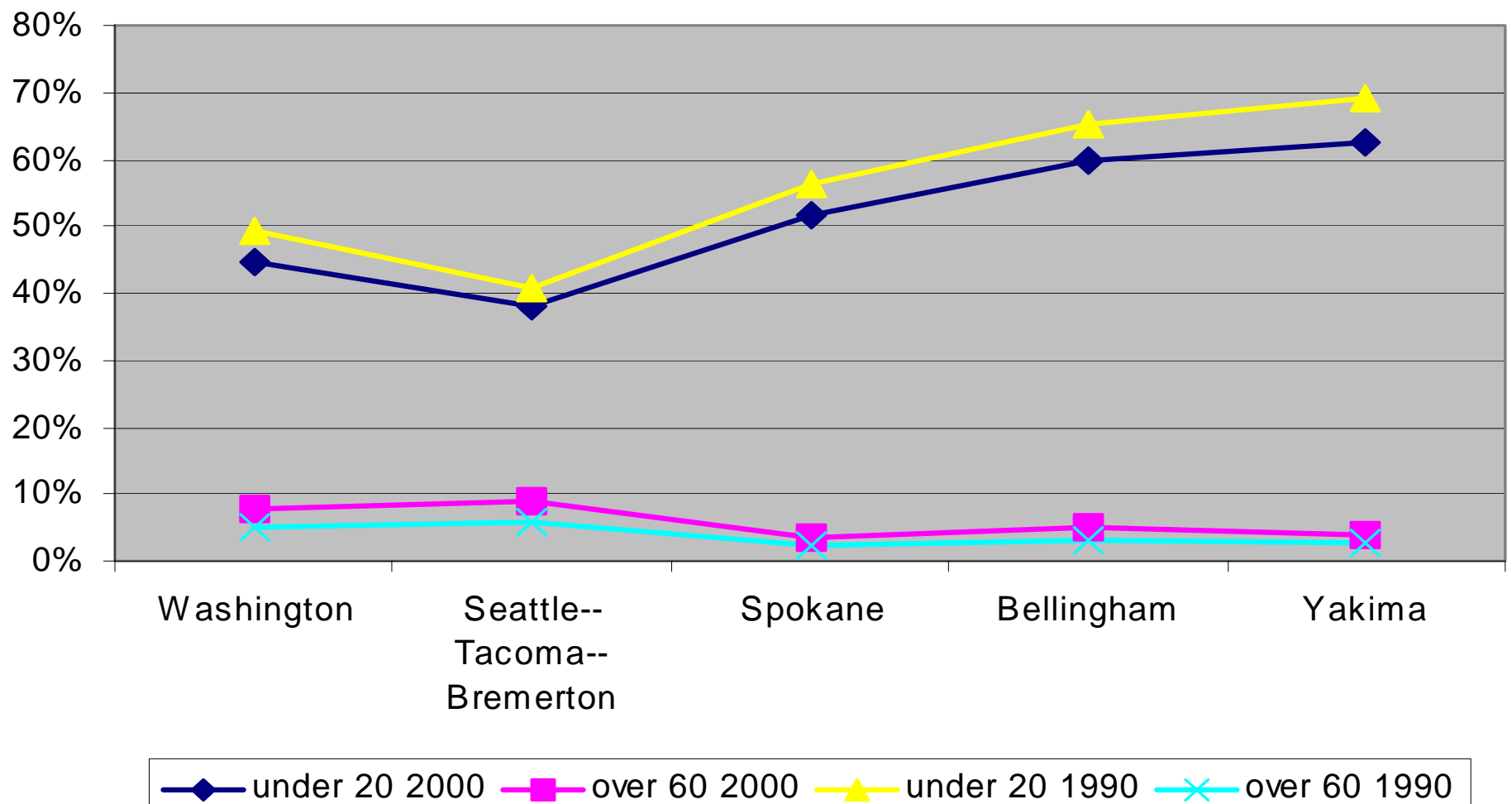
My keys on travel time

% under 20 mins / % over 60 mins

Percent of workers commuting over 60 minutes and under 20 minutes by metro size

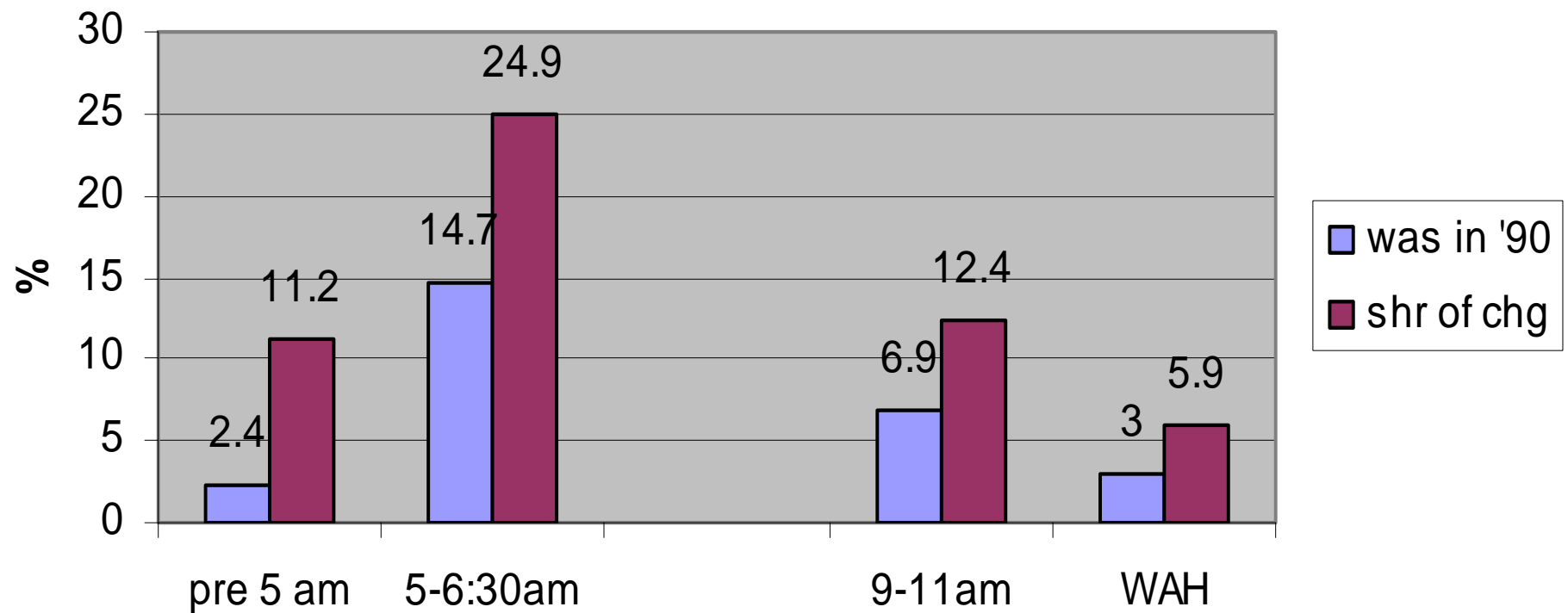


Close but ---



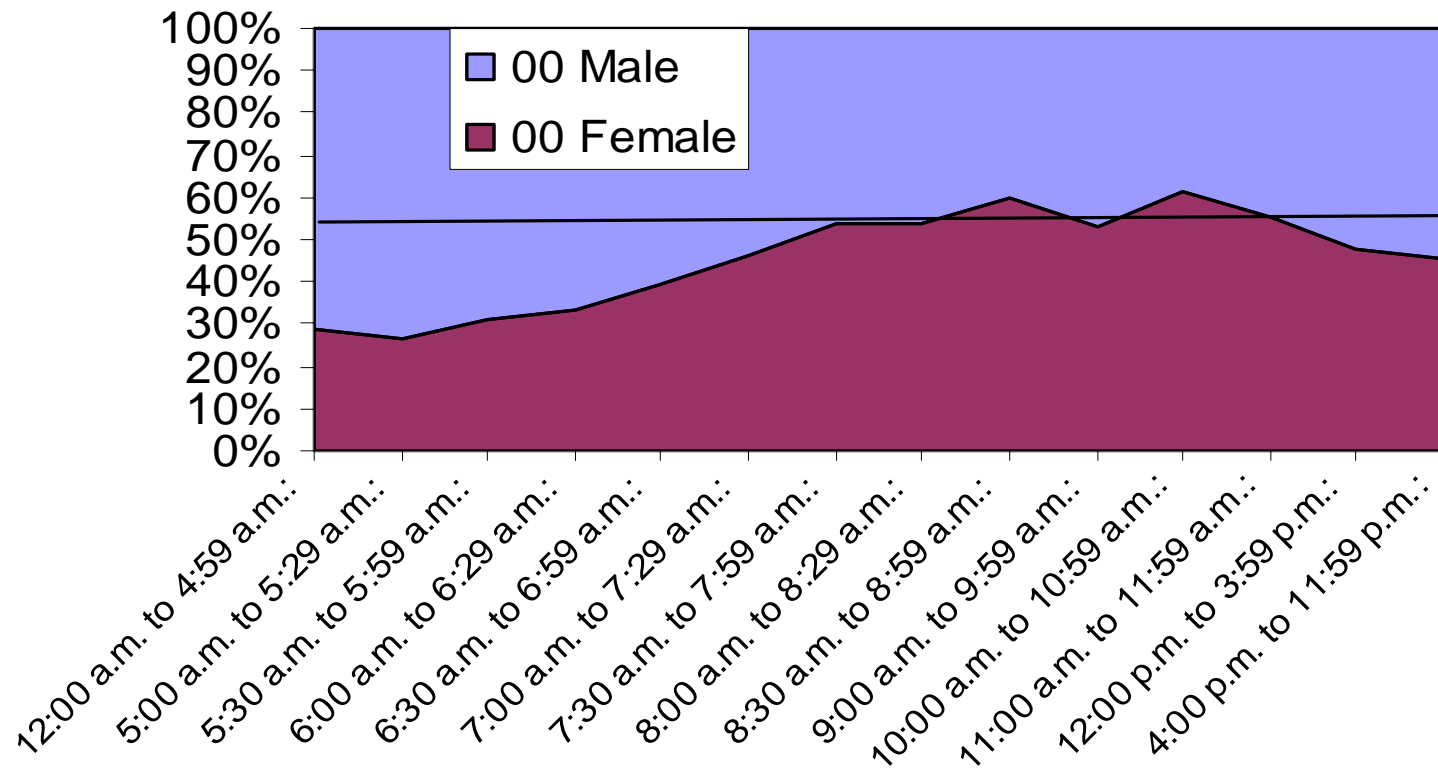
The trend to the shoulders

START TIME CHANGES IN SHARE 1990-2000

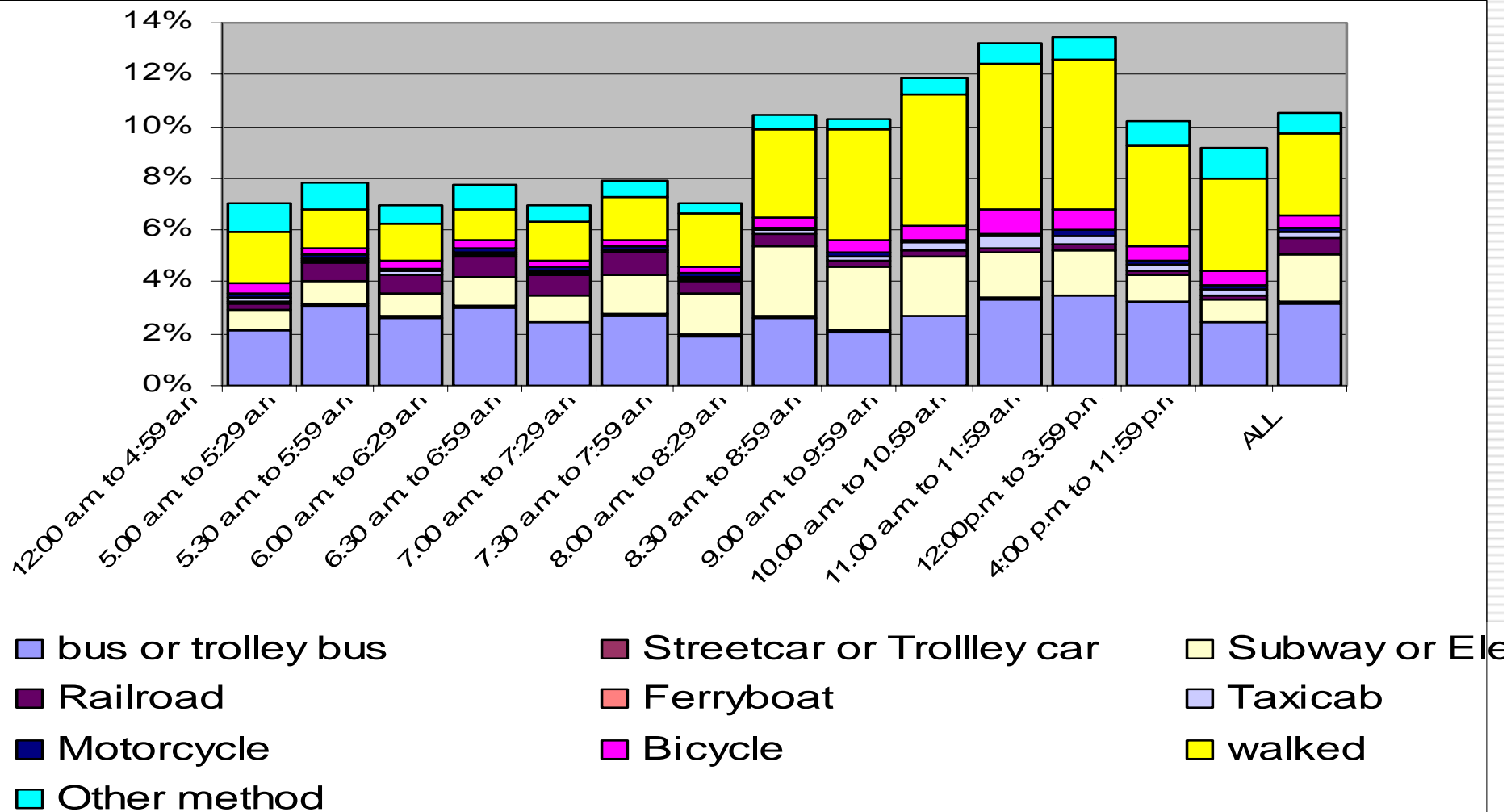


The trend to the shoulders

male-female commuting distribution by hour of the day 2000



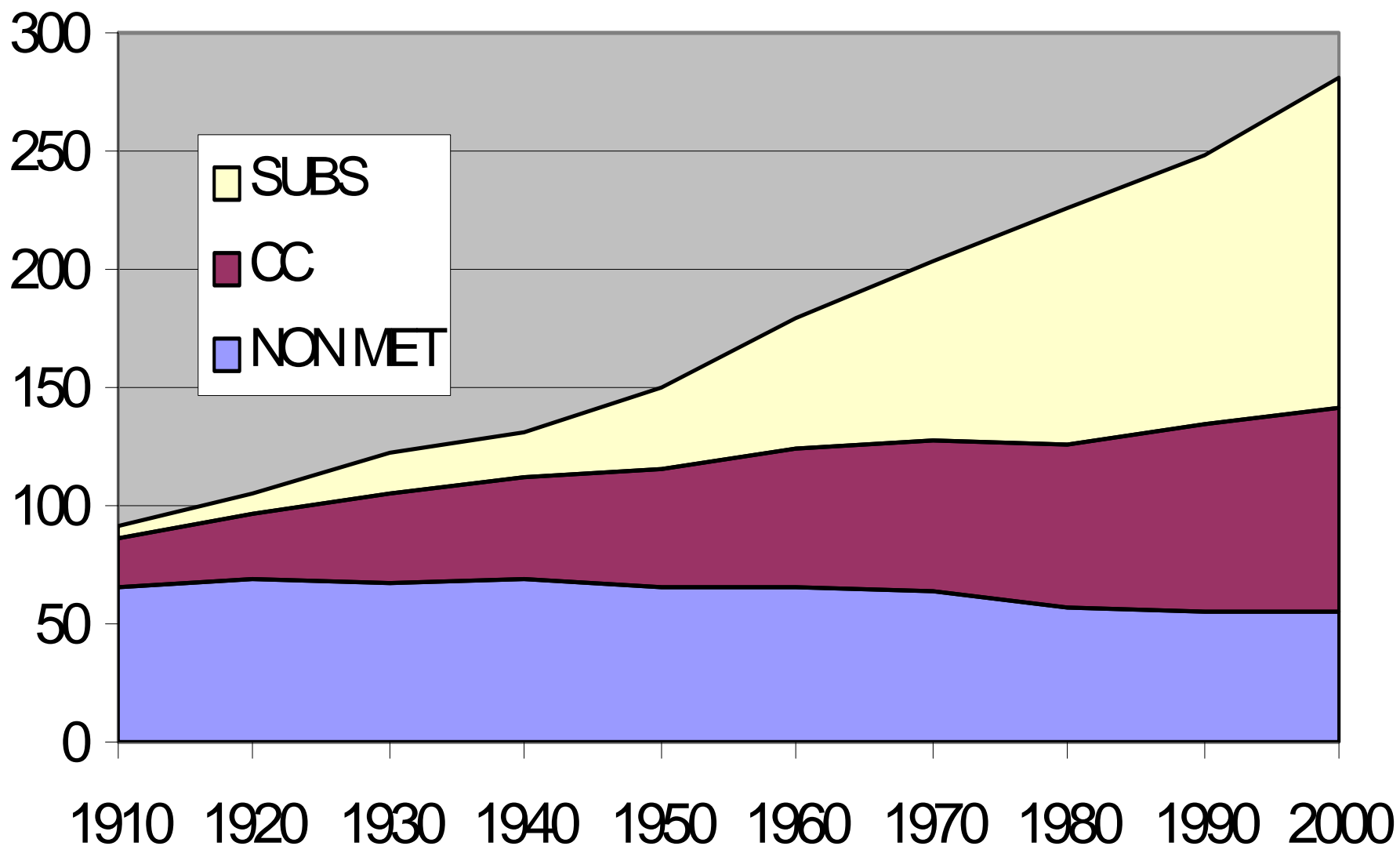
The shoulders are different



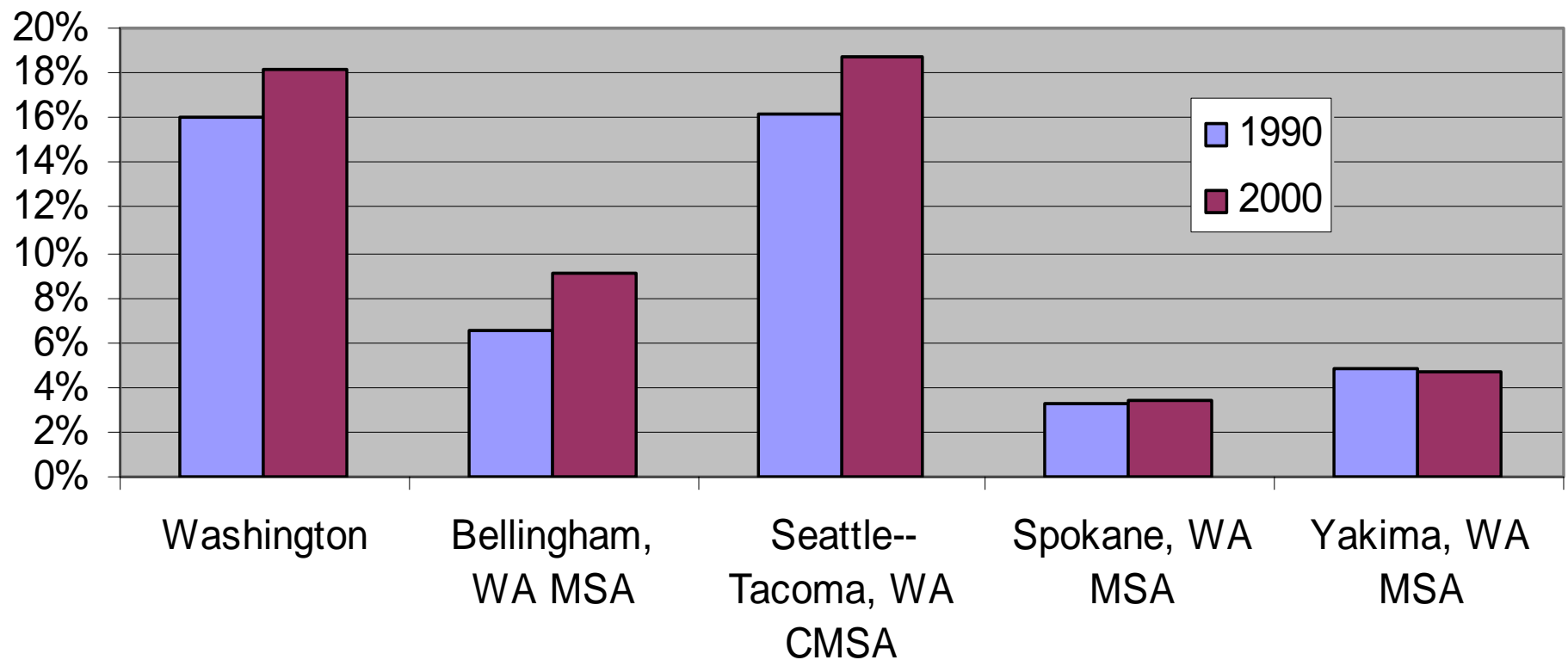
The Demographic Story

1. Exurbanization
 2. Boomers moving off stage
 3. Advent of the immigrant workforce
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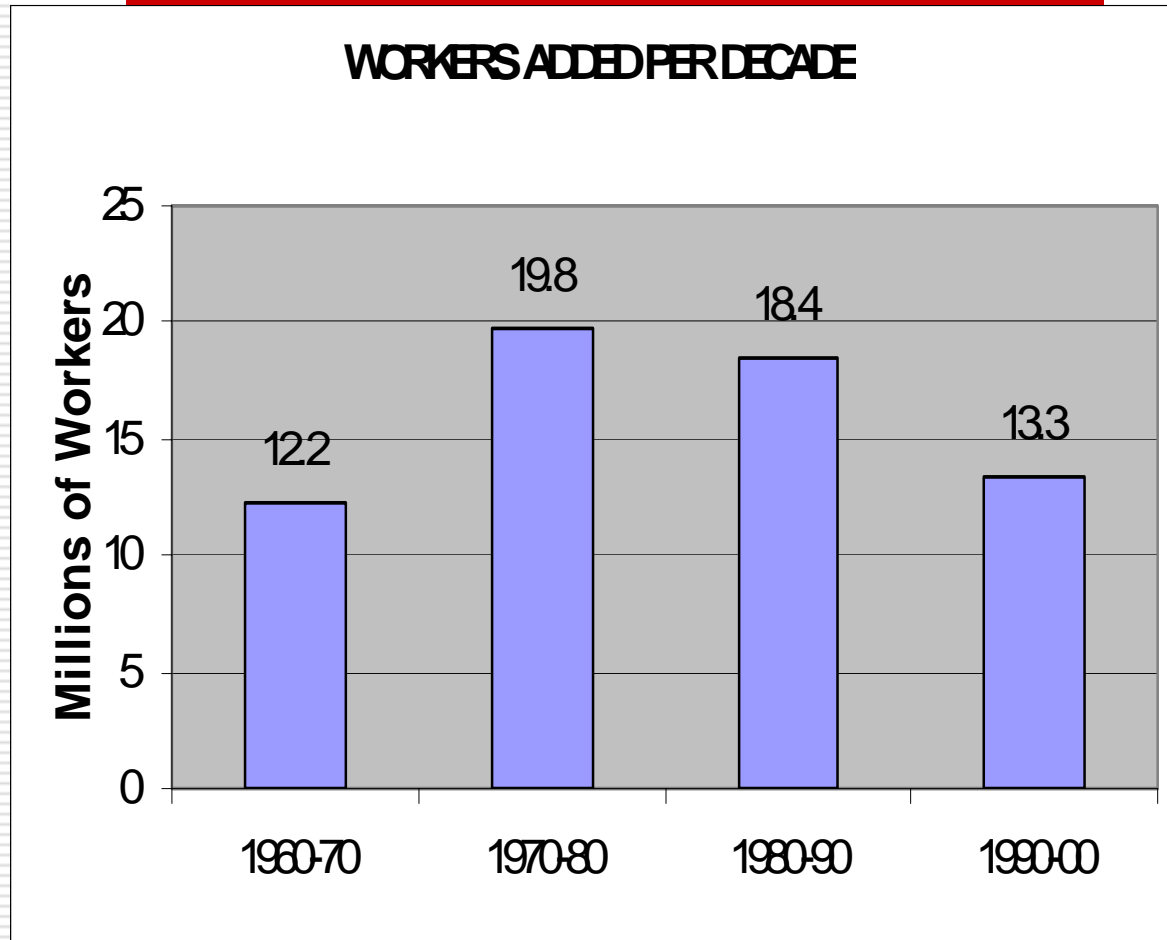
20th CENTURY POPULATION TREND



Major National Trend – leaving home county to work



END OF THE BOOM



1980-90

❑ 18.5 MILLION WORKERS

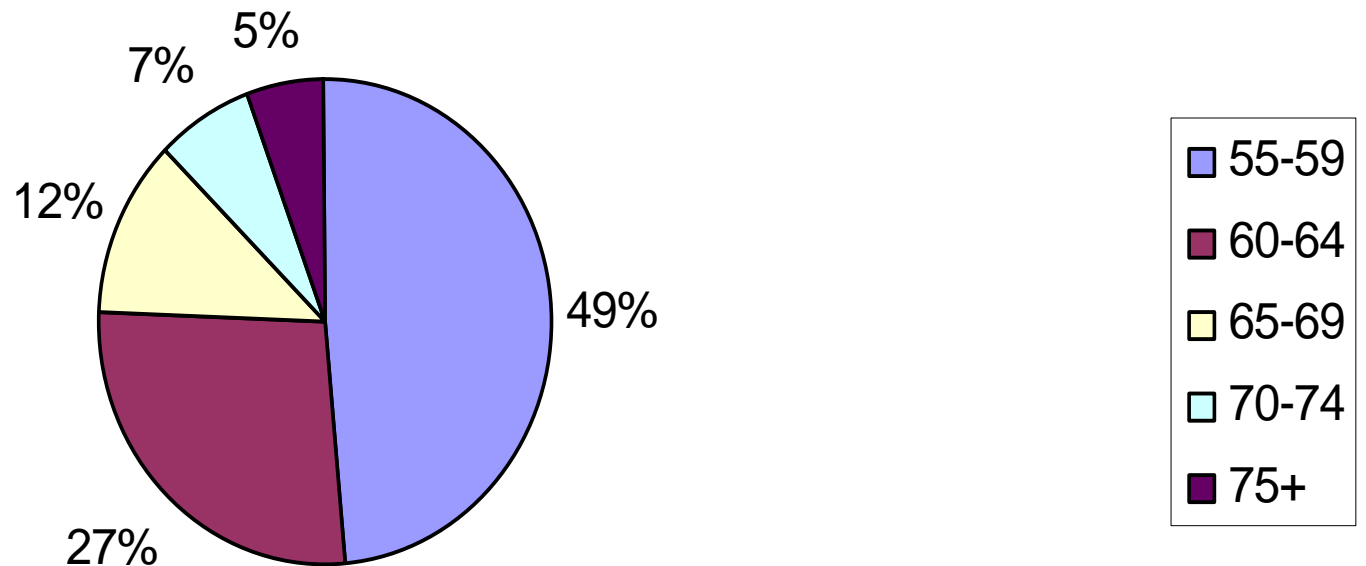
1990-2000

❑ 13.3 MILLION WORKERS

❑ Our problem may be too few commuters not too many!

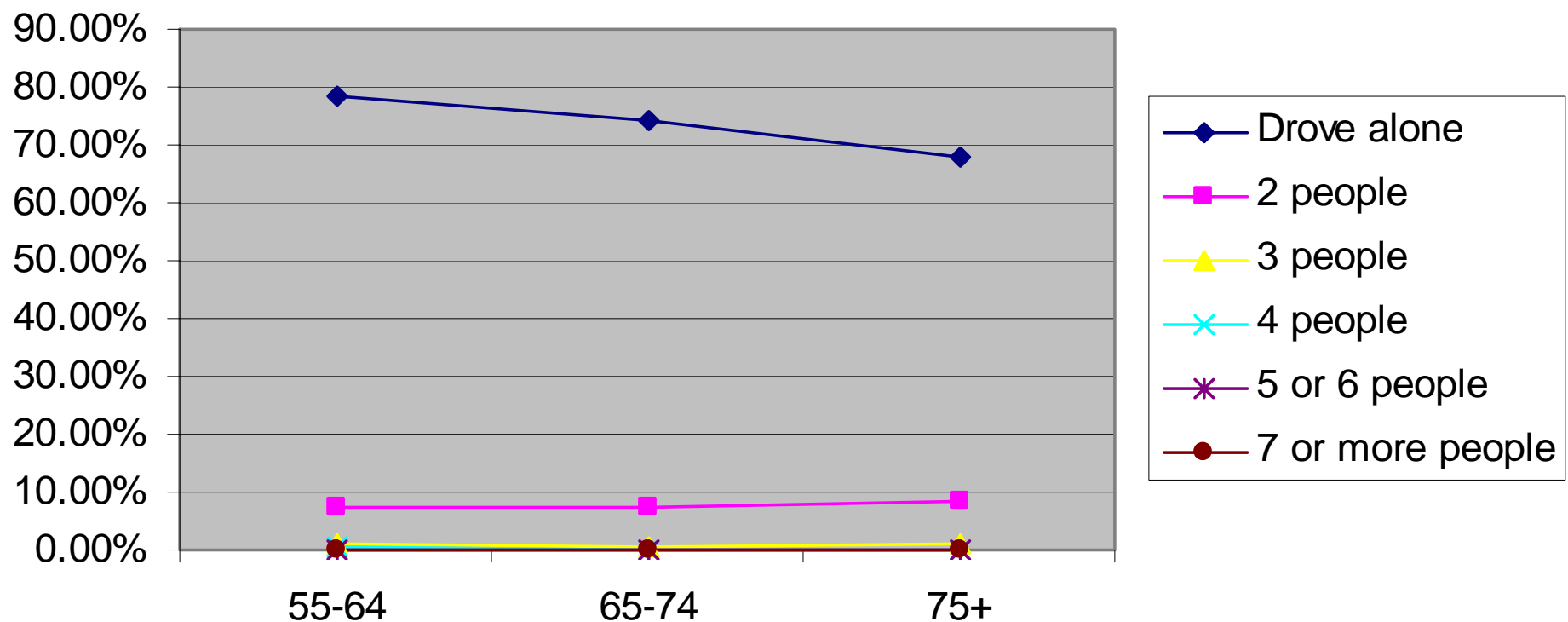
Aging out of the Boomers -1

SHARES OF OVER 55 WORKERS BY AGE GROUP



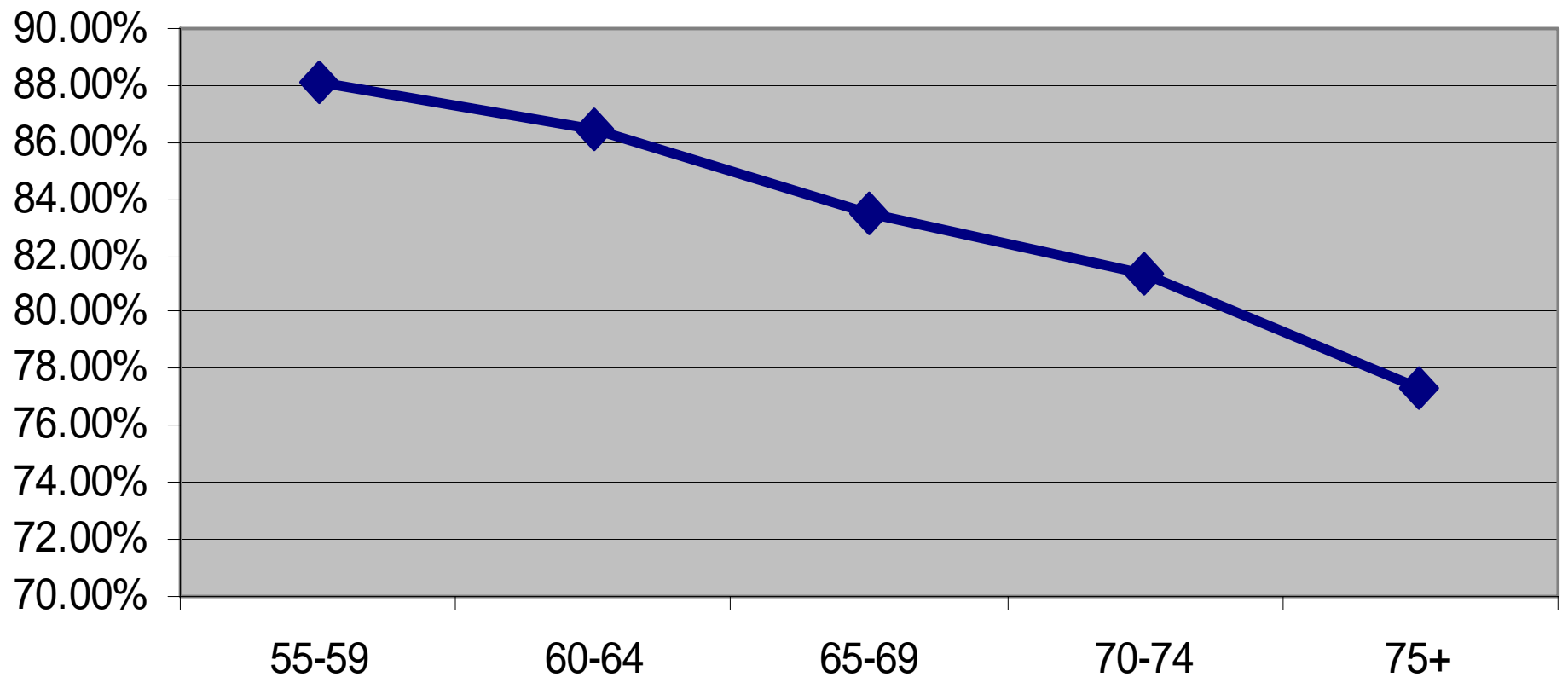
Aging out of the Boomers - 2

Over 55 patterns in mode use of private vehicles



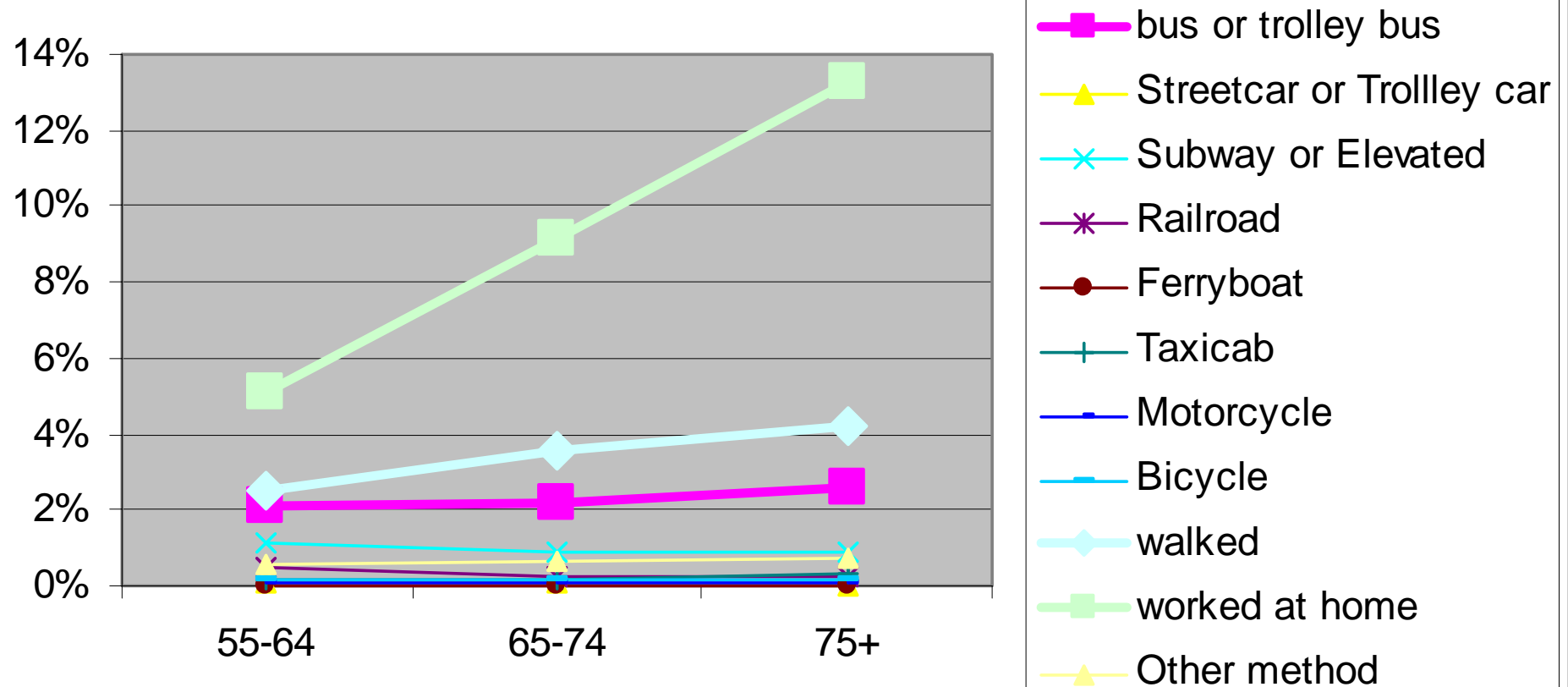
Aging out of the Boomers - 2

Car, truck, or van

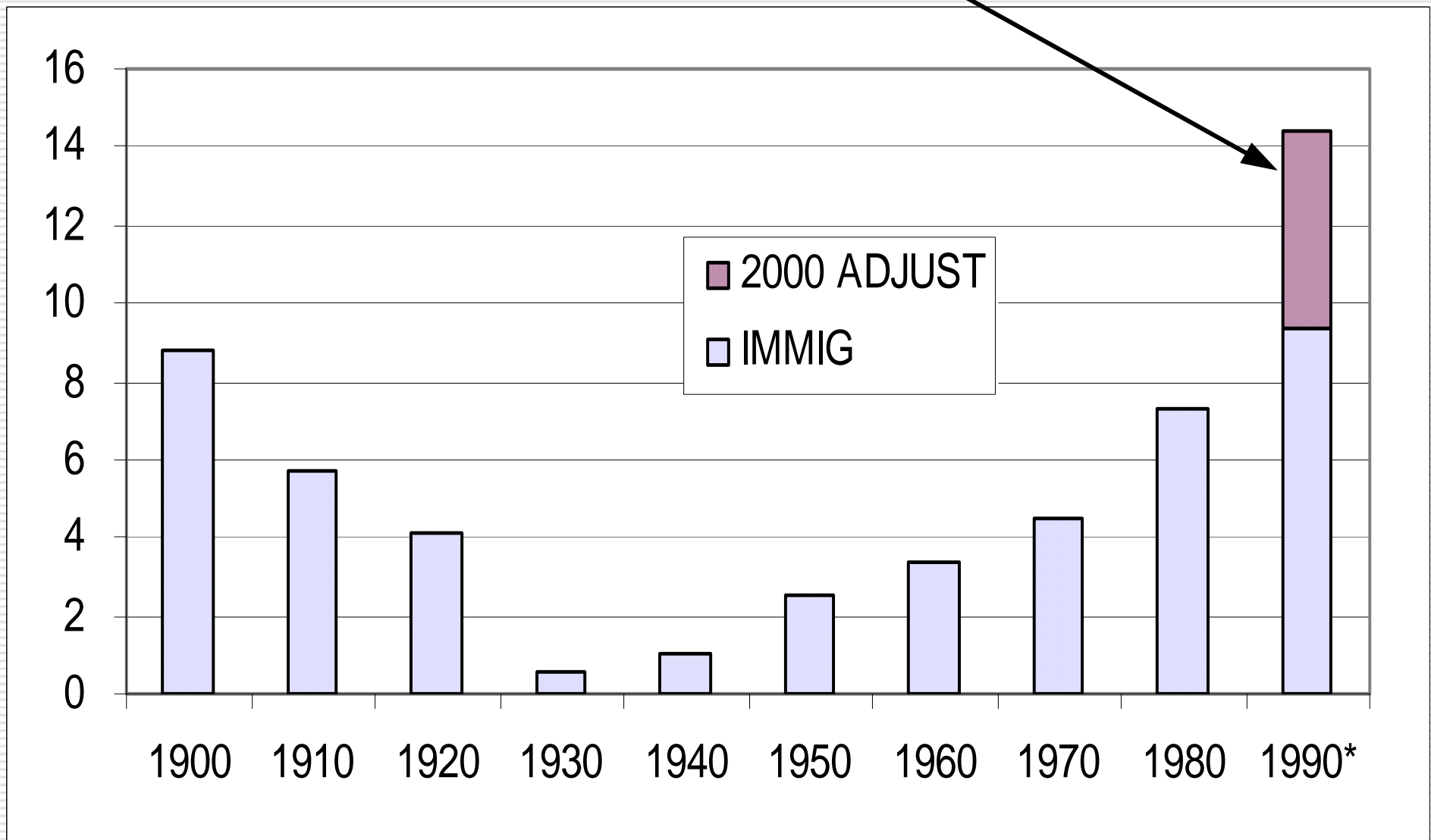


Aging out of the Boomers - 3

Over 55 patterns in mode use of other modes

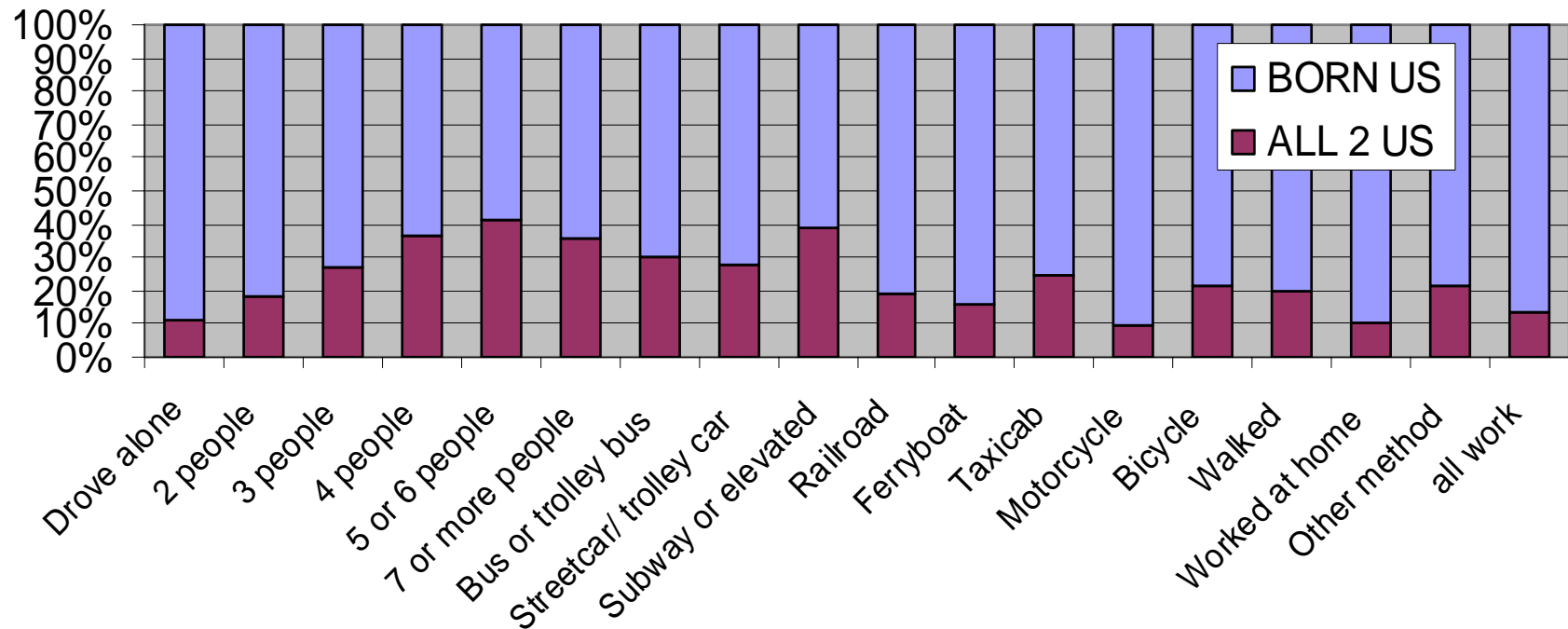


A "Small" Immigration Adjustment



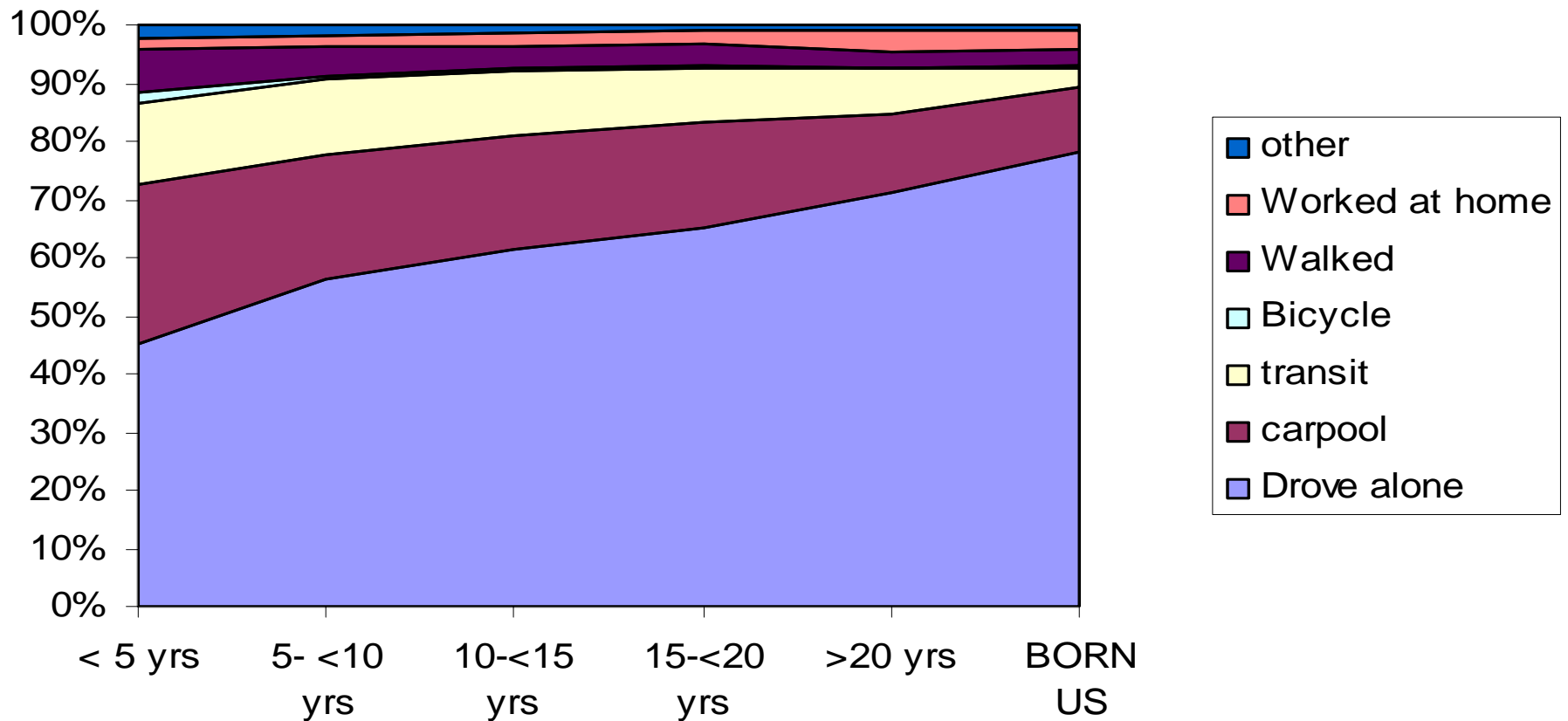
The Immigrant story - 1

immigrants are only 13.5% of workers but are significant part of usage in some modes

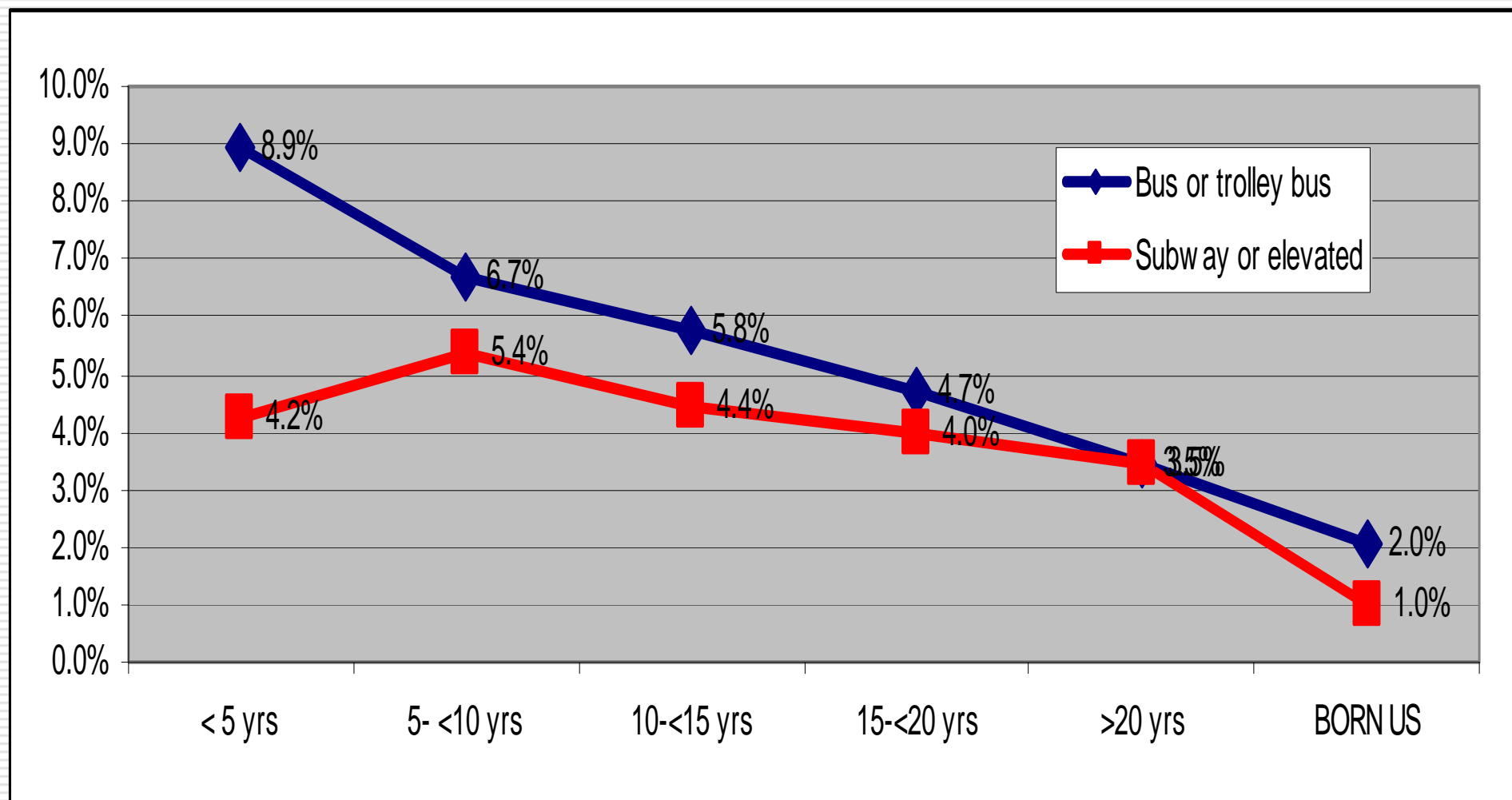


The Immigrant story - 2

Mode Use by Years in US

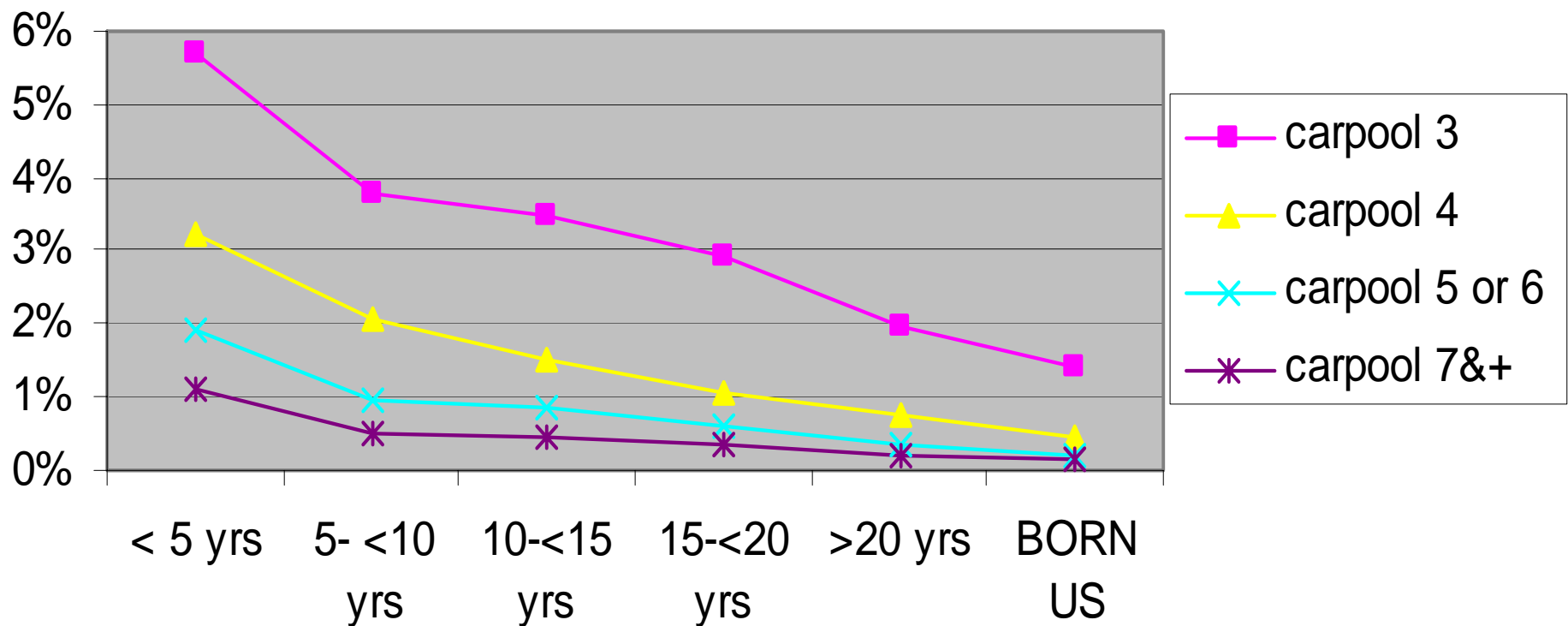


The Immigrant story - 3



The Immigrant story - 4

Carpool Use by Yrs in US



HELP STAMP OUT AFFLUENCE

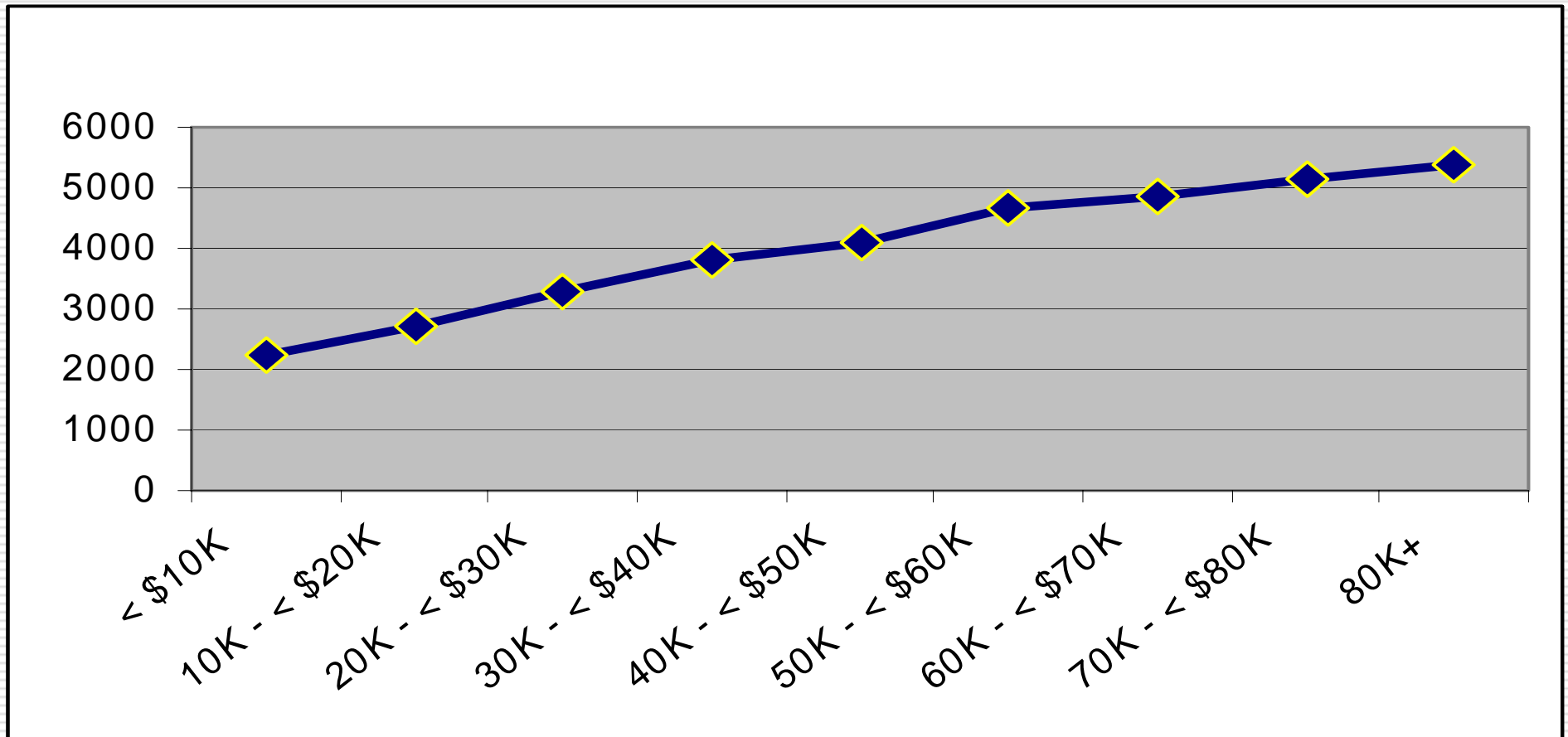
**We can do it if we work
together!**

WHAT IS CONGESTION ?

Congestion is:

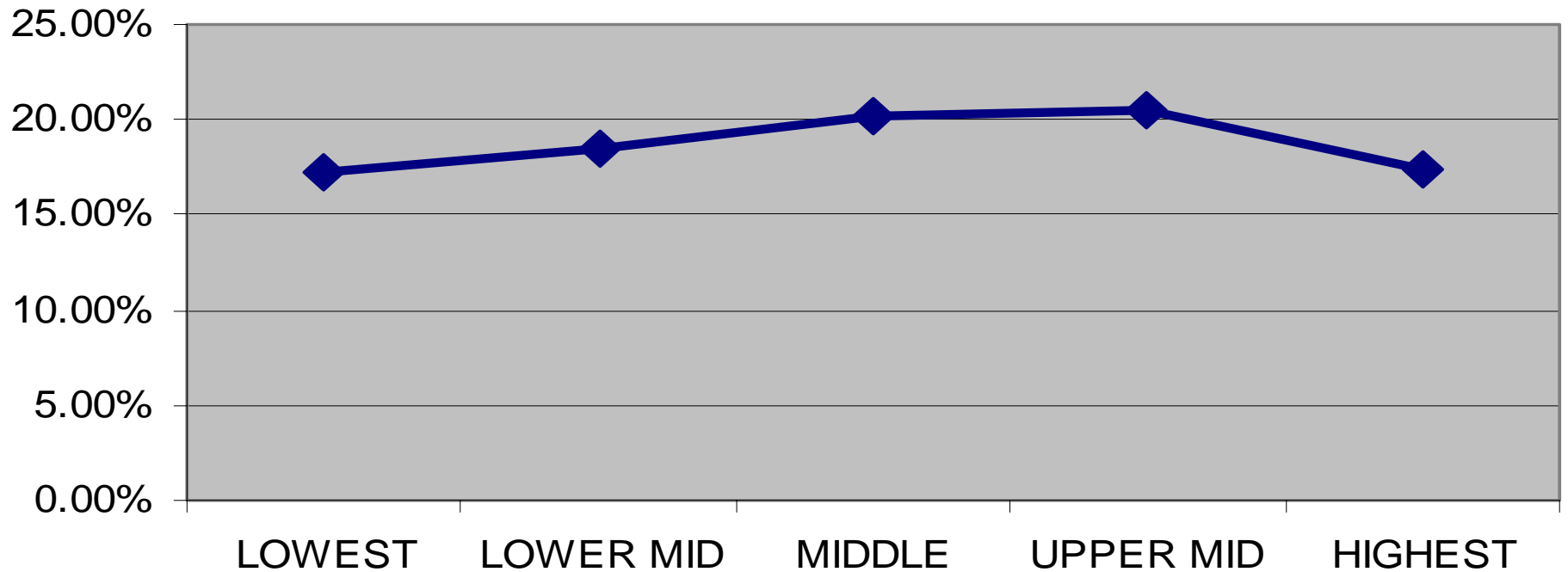
People with the economic means to act on their social and economic interests - getting in the way of other people with the means to act on theirs!

Annual Trips Per Household by Household Income - 2001

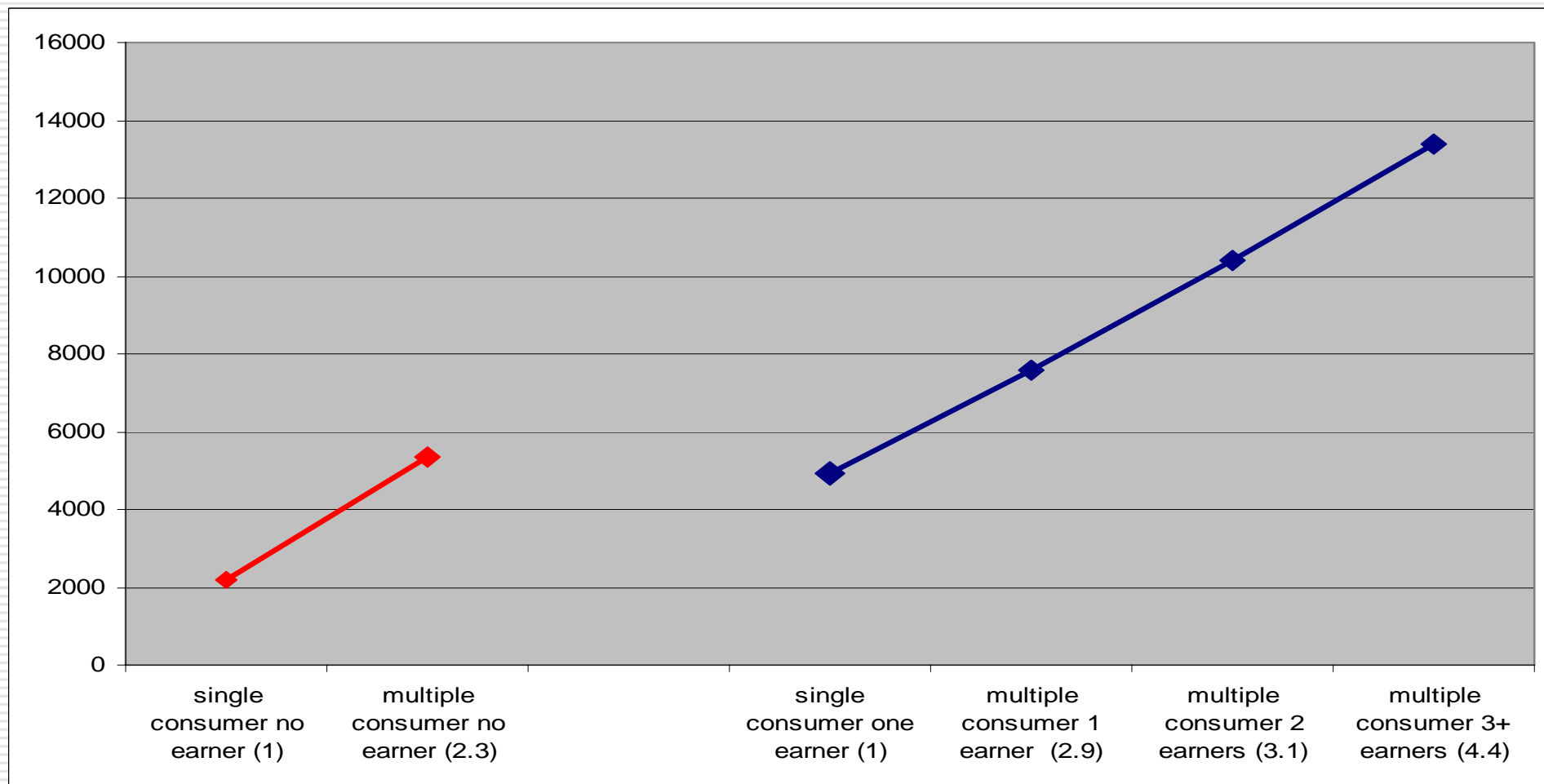


Transportation spending rises in share as income rises.

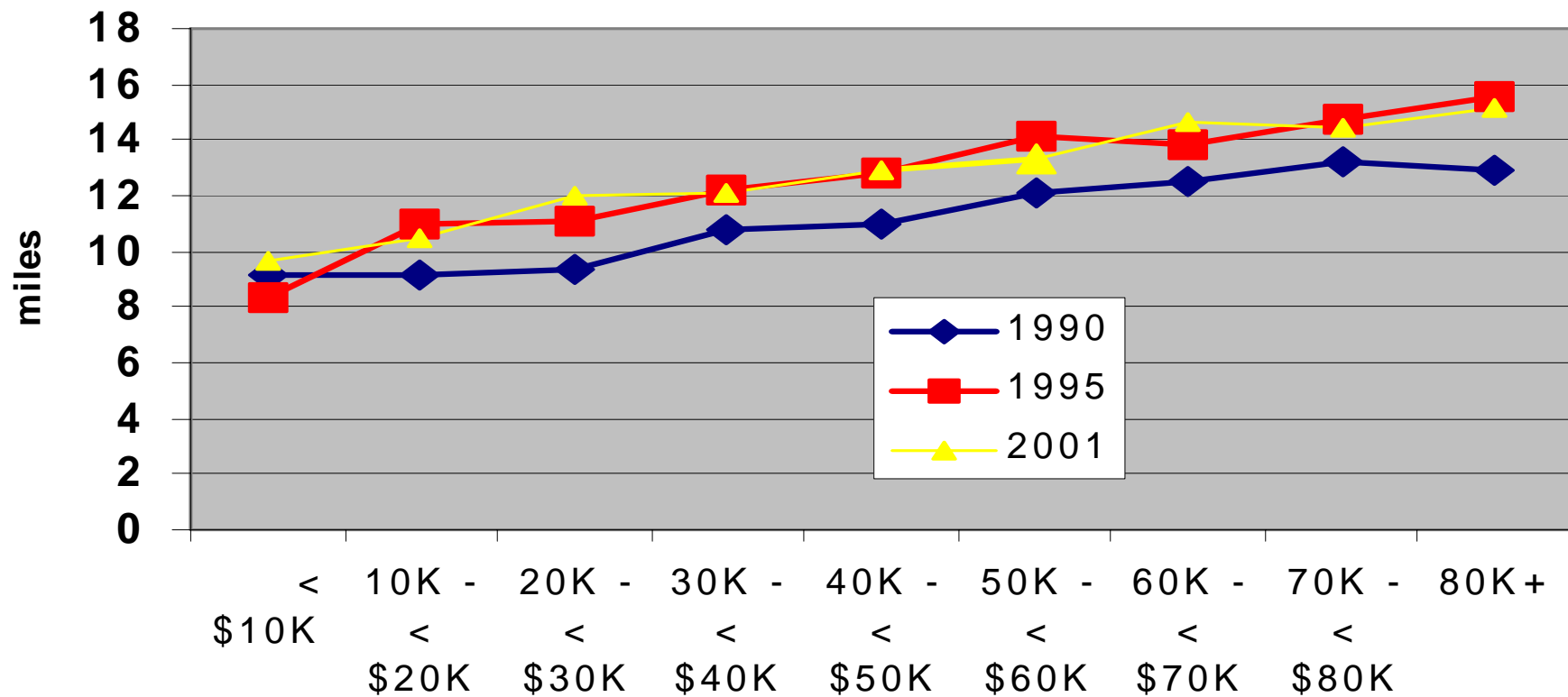
Percent of all Consumer Spending on Transportation 2002
by income quintile



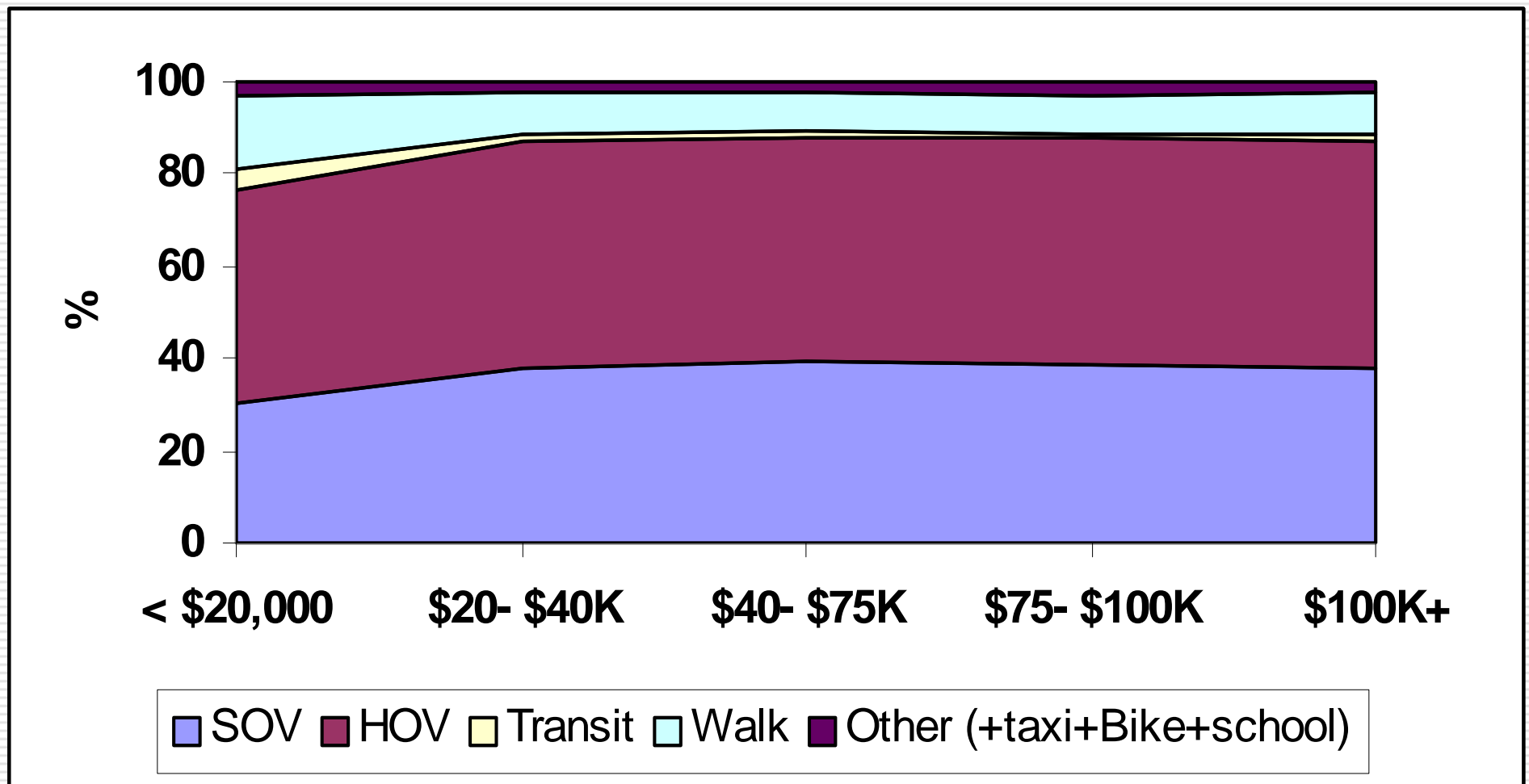
Transportation Spending by Workers/hh



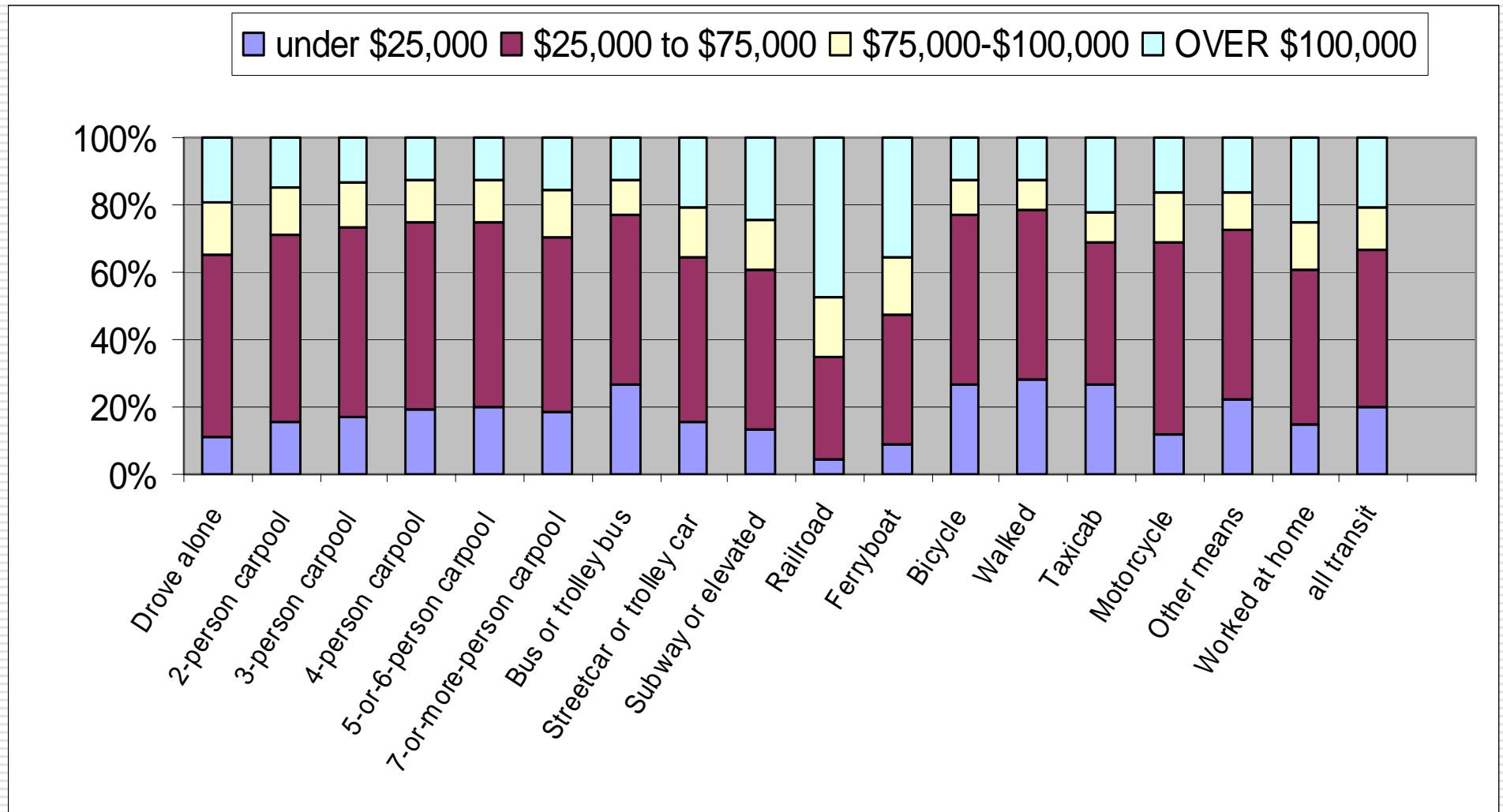
WORK TRIP LENGTH TREND by income



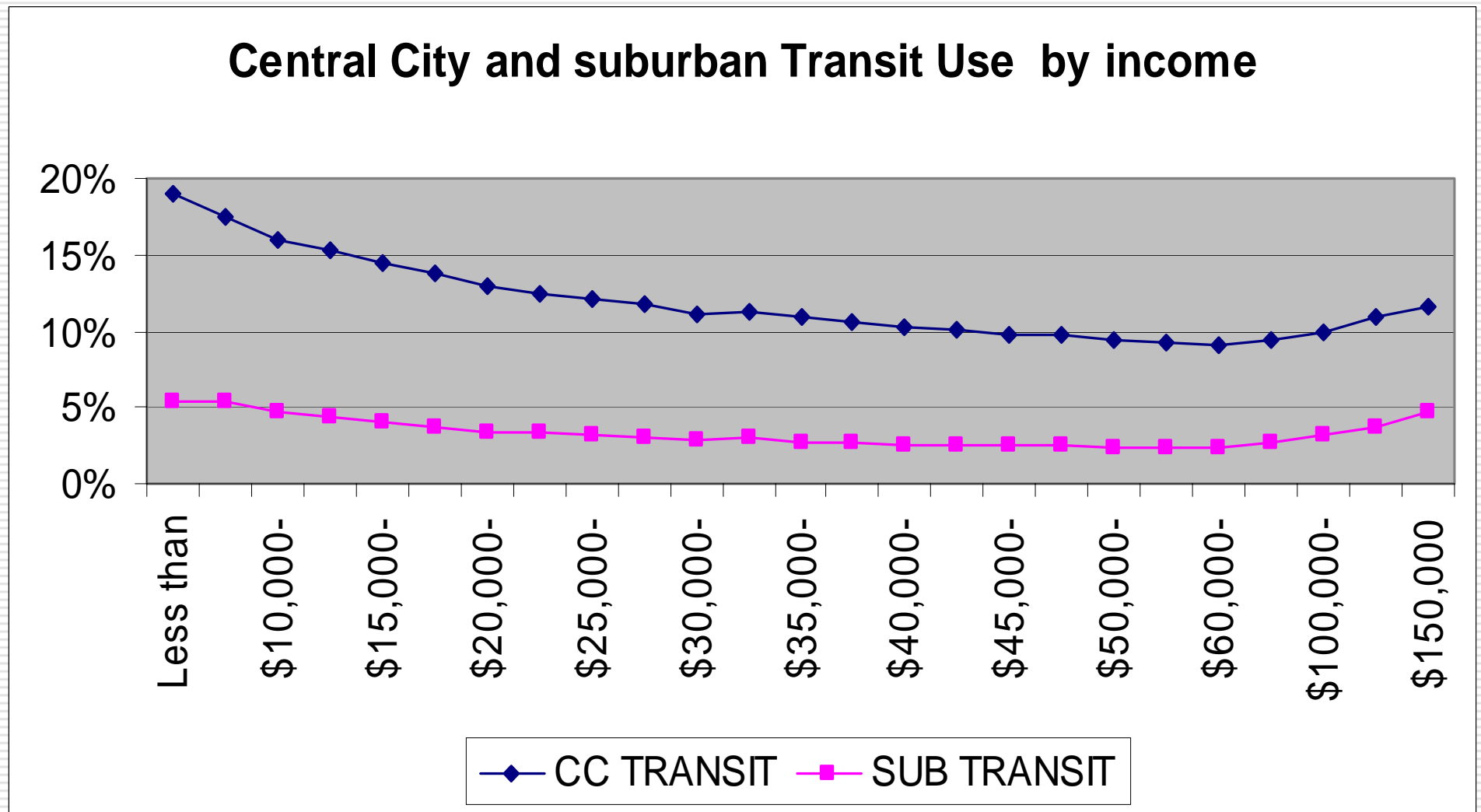
Mode Choice by Income – 2001 – all purposes



Modes have an income signature

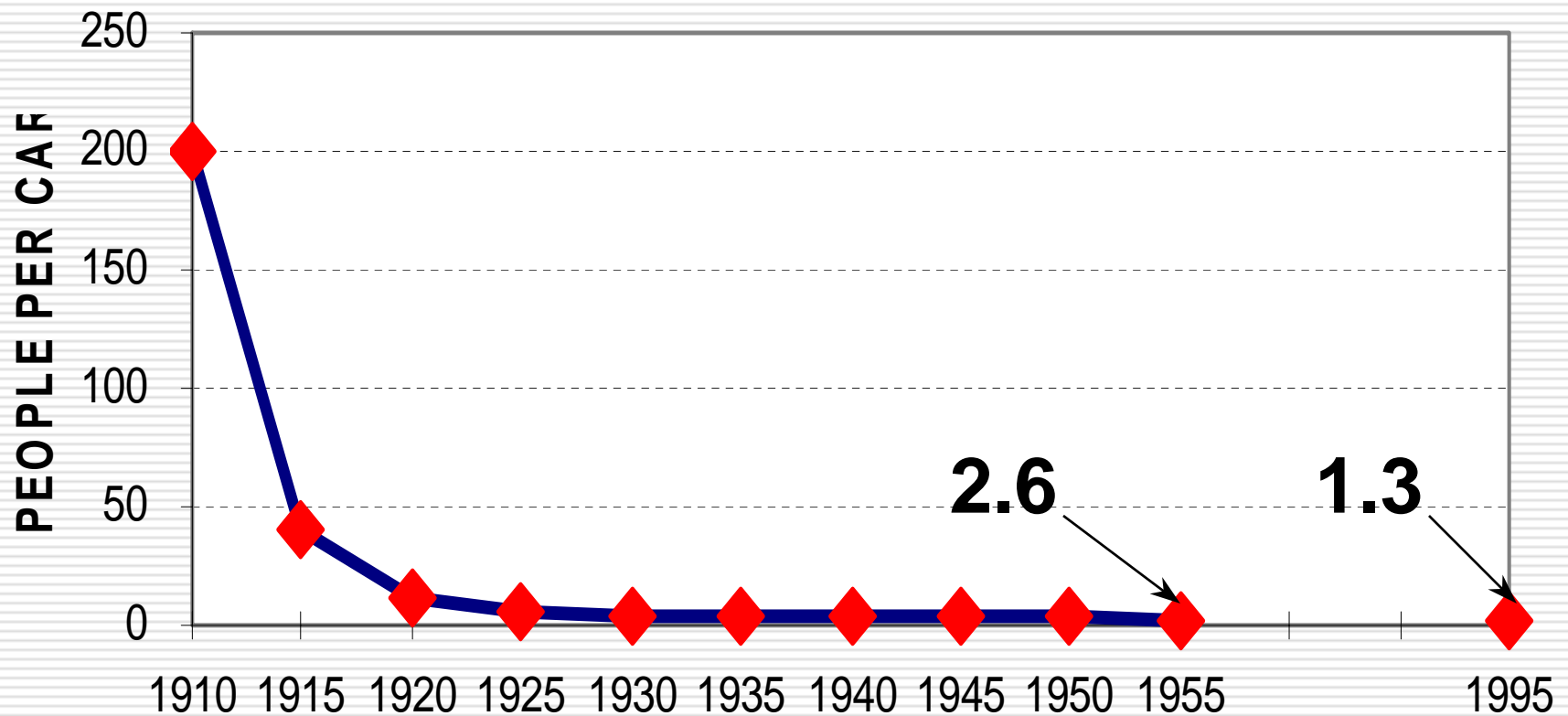


Transit use sensitive to income – at both ends of spectrum



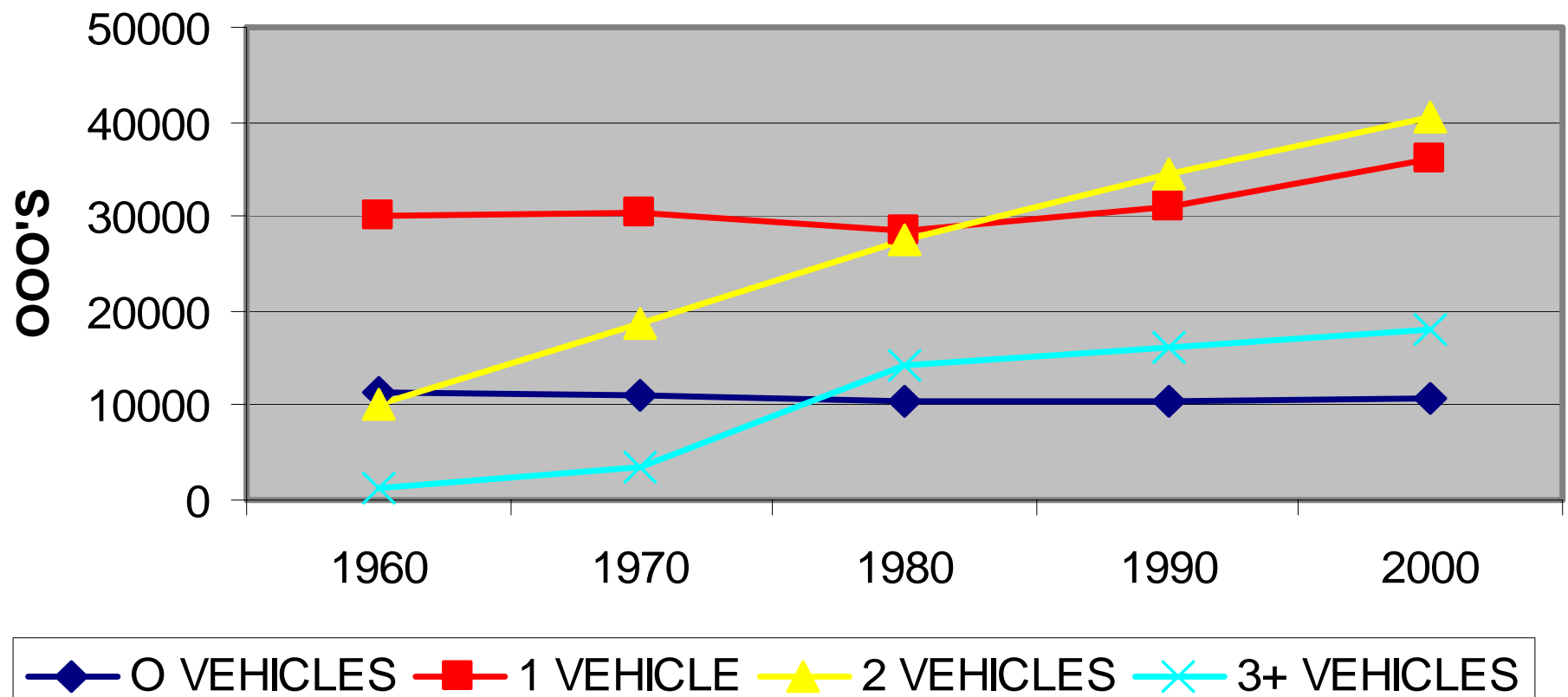
WE ARE AT VEHICLE SATURATION?

POPULATION TO VEHICLE RATIO 1900-1995



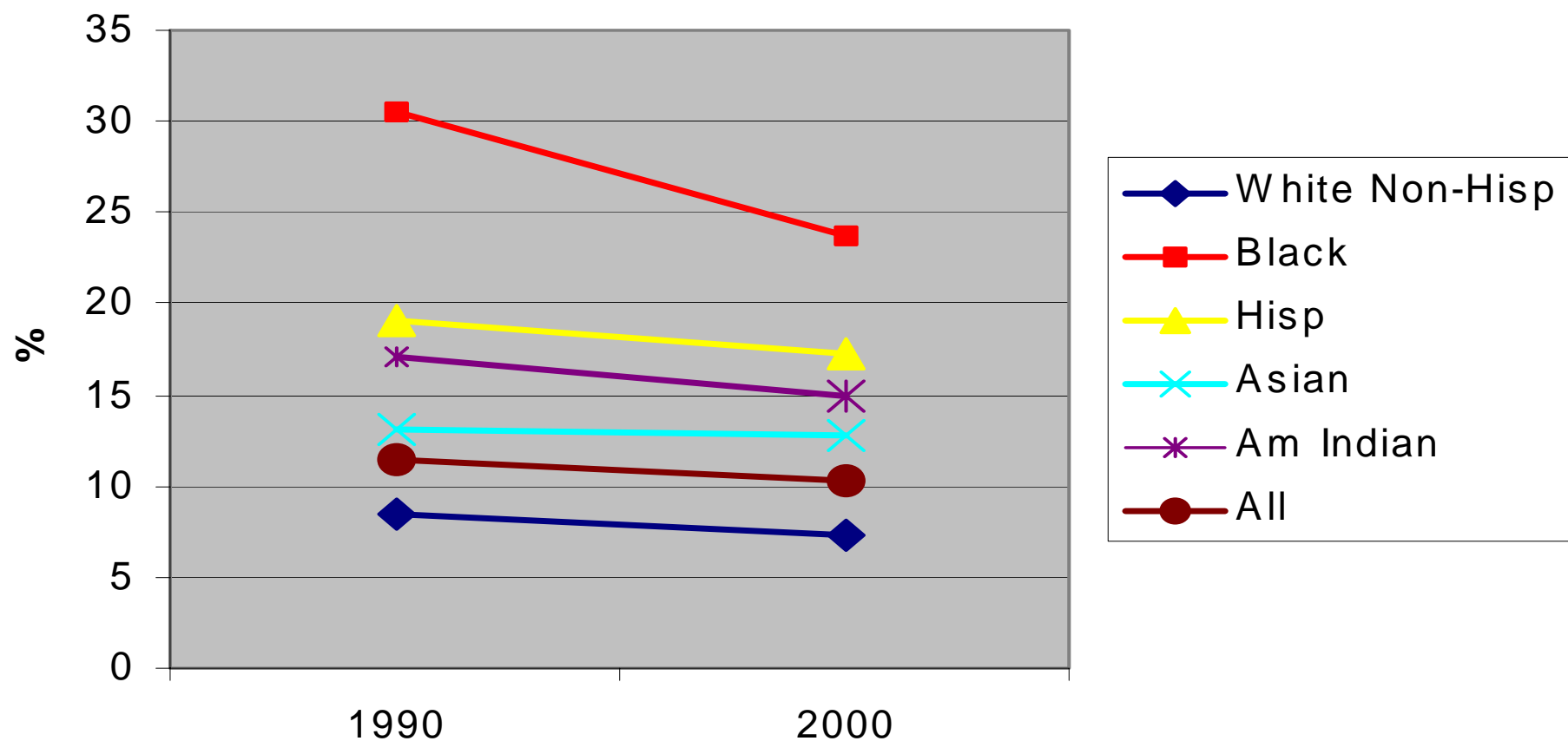
Cars per Household – 40 year trend

NUMBER OF HH BY VEHICLES OWNED



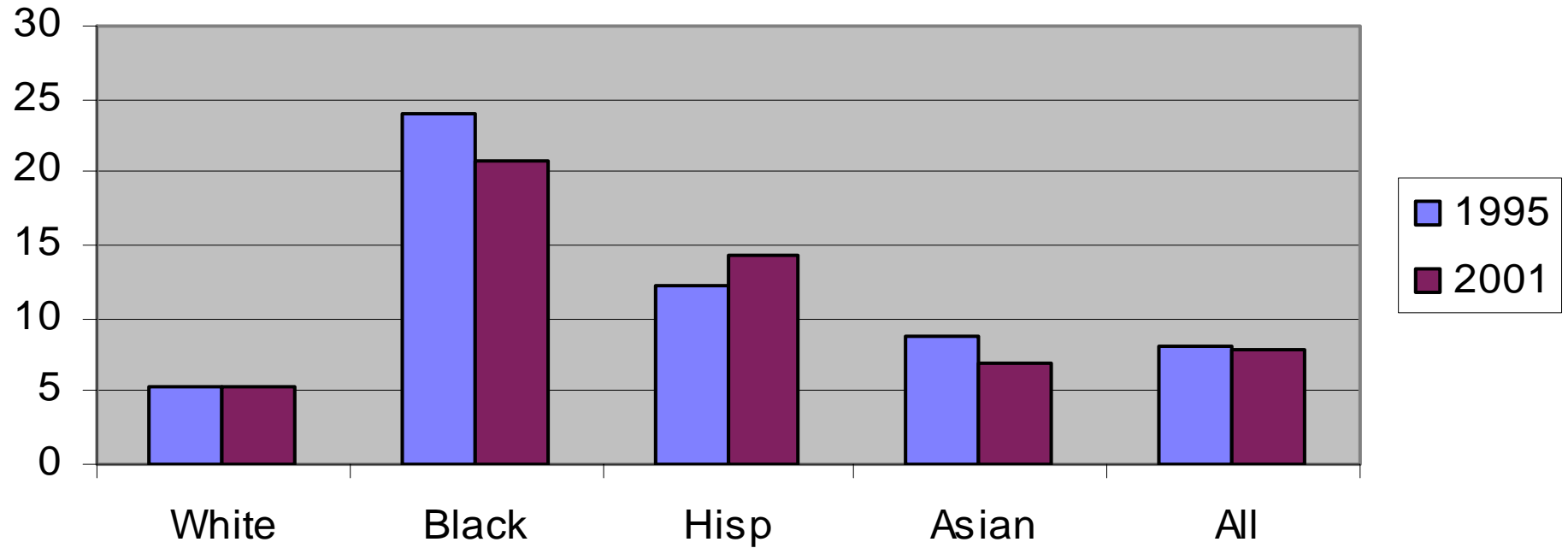
THE DEMOCRATIZATION OF MOBILITY HAS MORE TO GO!

zero vehicle households by Race and Ethnicity



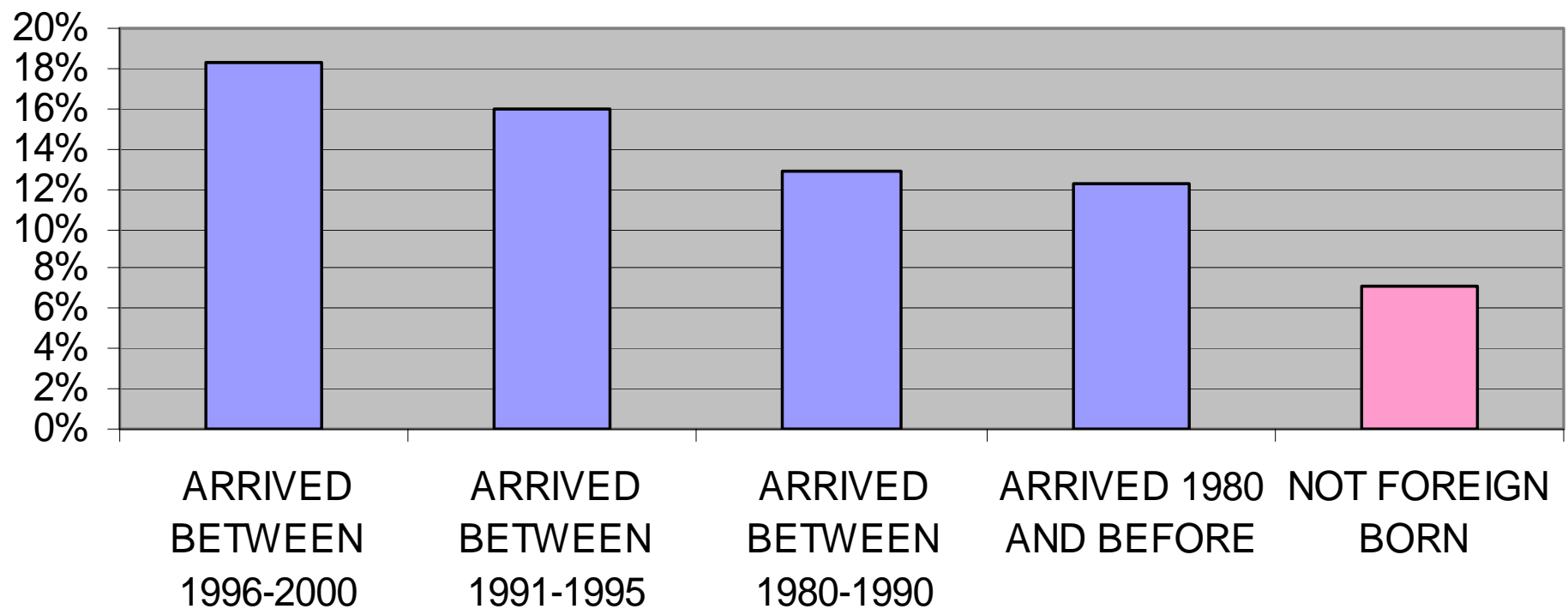
A key to the future?

Percent Households without vehicles



Another key

Foreign-born Persons without Vehicles by Year of Arrival



Forces of Stability and Change in Future Travel Demand

Stable

- ☐ Licenses/Vehicles
- ☐ Workers
- ☐ Population & Households
- ☐ Migration

Change

- ☐ Incomes
 - ☐ Locations
 - ☐ Immigrants
 - ☐ Aging
-

Four significant dichotomies

- ☐ Over/under 5 million area population (12 - Seattle 13?)
 - ☐ Over/under 55 of age
 - ☐ Over/under 20 minutes to work
 - ☐ Over/under 8 am start to work
-

Transportation Was Always About Time
And Distance

The Pressures Of Time Dominate

THE AUTO IS THE TIME TOOL

□ HIGH INCOME POPULATION

□ HIGH VALUE OF GOODS

**□ SKILLED WORKERS IN SHORT
SUPPLY**

□ A MULTI-TASKING SOCIETY

□ PRESSURES ON WOMEN

PATTERNS TO WATCH

- ☐ Immigrant arrivals?
 - ☐ Where do immigrants go?
 - ☐ Minorities & mobility?
 - ☐ Where do aging baby-boomers go?
 - ☐ Multiple home ownership?
 - ☐ What happens to Job/Worker suburban ratios?
 - ☐ Even more women in workplace?
 - ☐ Work by >65 pop?
 - ☐ Workplace patterns?
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THANK YOU!

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